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VITAL STATISTICS SUMMARY

WASHINGTON STATE

1982

CENTER FOR HEALTH STATISTICS

DIVISION OF HEALTH

DEPARTMENT OF SOCIAL AND HEALTH SERVICES

MS ET-14

OLYMPIA, WASHINGTON 98504

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INTRODUCTION

The 1982 Vital Statistics Annual Summary continues the practice, begun in 1980, of presenting a data analysis section along with the tabular summary of vital events. This analysis is not intended to be sophisticated or exhaustive; instead it represents an attempt to look at vital statistics data in new ways which may stimulate further analyses by those involved in health planning, epidemiologic analysis, and program evaluation in the state. The authors welcome any questions or comments about the material presented herein, or suggestions for future analysis.

This report also contains a summary presentation, in tabular form, of the vital events which occurred during the calendar year 1982. In the interest of easy comparison, the same format of tabular presentation has been continued as was initiated in the 1968-69 edition. However, one table, Infant Mortality by Mother's Age Group by Place of Residence (formerly Table 36) has been moved to the Natality Section (currently Table 13). As data in this table are for infants born in 1982, it is appropriate that the table be included in the Natality Section, which summarizes characteristics and outcomes of 1982 livebirths.

Population data are the official 1982 estimates for the State of Washington as prepared by the Office of Financial Management.

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VANCOUVER ISLAND
WHATCOM
Bellingham
MT BAKER
MT SHUKSAN
SKAGIT
Mt Vernon
OKANOGAN
Okanogan
Republic
FERRY
PEND OREILLE
Colville
STEVENS
Newport
CLALLAM
Port Angeles
Port Townsend
SNOHOMISH
Everett
CHELAN
COLUMBIA
RIVER
GRAND COULEE DAM
JEFFERSON
MT OLYMPUS
DOUGLAS
Waterville
Davenport
LINCOLN
Spokane
SPOKANE
KING
Seattle
Wenatchee
GRAYS HARBOR
MASON
Shelton
Tacoma
KITTITAS
GRANT
Ephrata
Ritzville
ADAMS
WHITMAN
Colfax
PIERCE
Montesano
Olympia
Ellensburg
THURSTON
Capitol Forest Park
CASCADE RANGE
South Bend
Chehalis
LEWIS
Yakima
FRANKLIN
SNAKE RIVER
GARFIELD
Pomeroy
PACIFIC
YAKIMA
COLUMBIA
Dayton
Asotin
ASOTIN
WAHKIAKUM
COWLITZ
MT ST HELENS
MT ADAMS
Prosser
Pasco
WALLA WALLA
Walla Walla
Cathlamet
Kelso
SKAMANIA
BENTON
KLICKITAT
CLARK
Vancouver
Stevenson
Goldendale
COLUMBIA RIVER
THE SEAL OF THE STATE OF WASHINGTON
1889
STATE OF WASHINGTON

1982 IN BRIEF

BIRTH

There were 69,529 births to residents of Washington State in 1982. This was 227 fewer than the previous year, resulting in a reduction of the birth rate from 16.4 to 16.3 per 1,000 population, and continuing further a four-year gradual downward trend.

The median age of women bearing children has been approximately 25 for the last 20 years. However, there have been proportionate changes within each age group since 1963. In that year, 9% of the 61,013 total births were to women aged 35 and over and 15% were born to women under 20. In 1982, the comparable figures were 5% and 11% for the same age groups, giving a decrease of 44% and 27%, respectively.

Since 1980, the proportion of babies born at home has risen from 1.2% to 1.7% of the total births occurring in the state. Similarly, the proportion of women residents choosing a midwife as birth attendant has increased 93% from 1.5% of the births in 1980 in 2.9% in 1982.

DEATH

There were 32,309 deaths among residents in 1982, yielding a death rate of 7.6/1,000 population. This compares favorably with the 1980 death rate of 7.8/1,000. While cardiovascular disease death rates reflect this decline, the death rate for malignant neoplasm (cancer) increased to 172.6/100,000 population, reversing a five-year downward trend.

Caution should be exercised in any examination of causes of death and their rates. Careful scrutiny of population changes with respect to race, age, and other compositional factors should accompany any analysis.

INFANT DEATH

There were 744 deaths in children less than one year of age, an increase of 13 over the total in 1981. The death rate for this age group rose from 10.5/1,000 live births in 1981 to 10.7 in 1982. This rate, however, is still lower than the 1980 rate of 11.8 and is consistent with an overall decreasing trend in infant mortality in Washington.

MATERNAL DEATH

The maternal death rate did not change between 1981 and 1982. There were four maternal deaths, a rate of 0.6/10,000 live births.

FETAL DEATH

Although the ratio of fetal deaths per 1,000 live births increased from 7.0 in 1981 to 7.2 in 1982, a numerical increase from 489 to 501, overall the ratio has been declining in recent years. The ratio was, for example, 50% greater (10.8) in 1963.

MARRIAGE

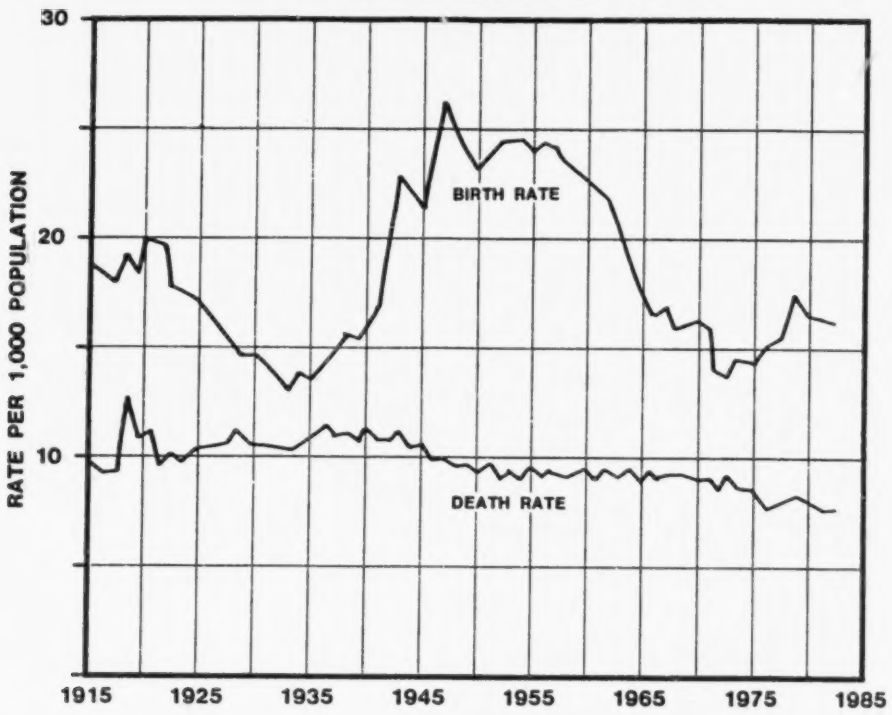
There were a total of 48,228 marriages in 1982. This is 1,745 fewer than the total number of marriages in 1981. Fifteen persons aged 10-14 became married. This compares to 23 from that age group in 1981.

DIVORCE

The number of divorces decreased from 29,511 in 1981 to 27,795 in 1982. This is a decrease of 1,716 or 5.8%.

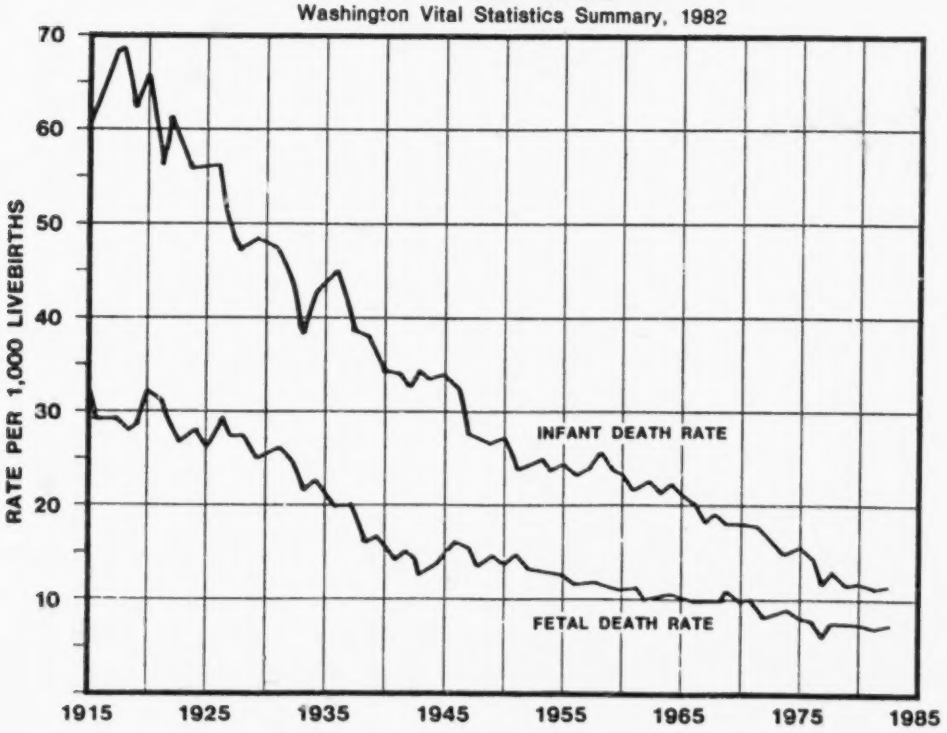
BIRTH and DEATH RATES
1915-1982

Washington Vital Statistics Summary, 1982



INFANT and FETAL DEATH RATES
1915-1982

Washington Vital Statistics Summary, 1982



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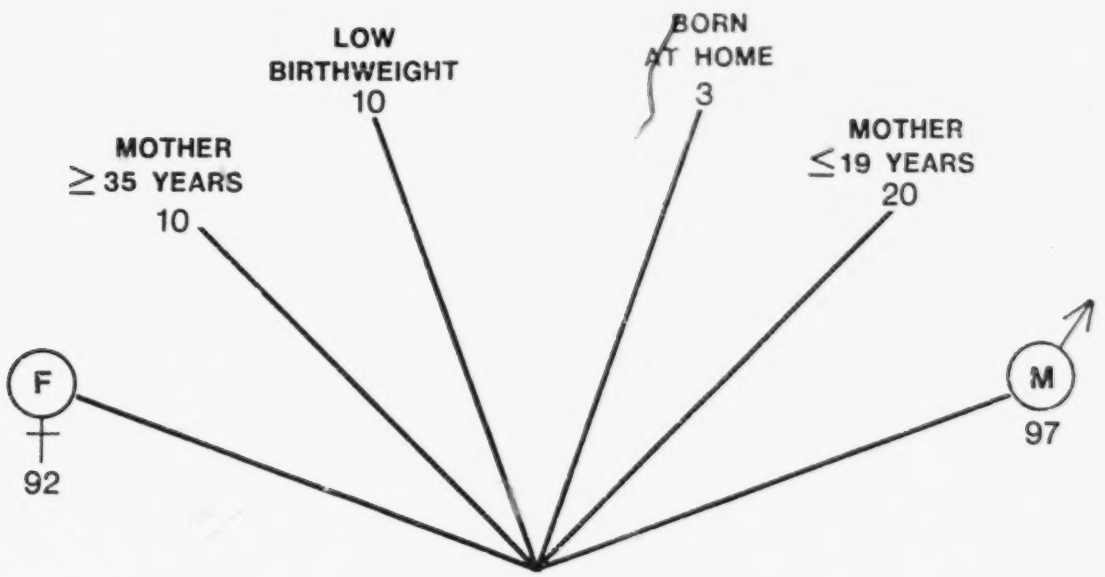
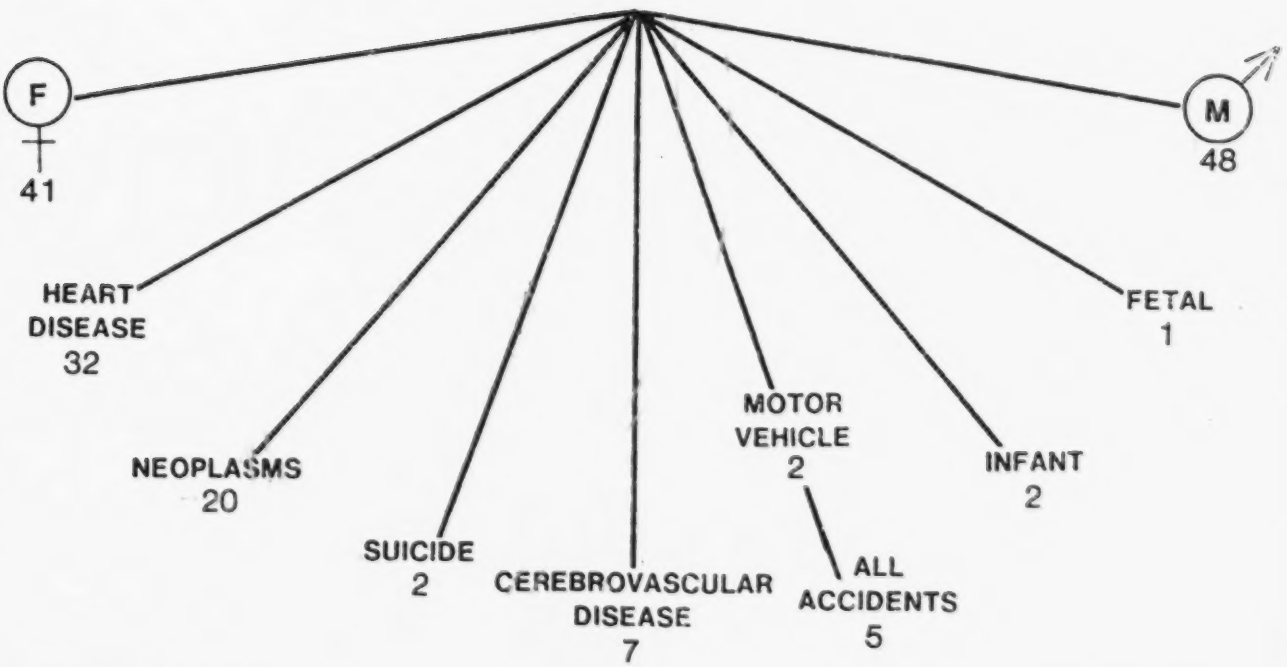
DAILY EVENTS IN WASHINGTON STATE 1982



BIRTH

DEATH



MARRIAGE
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ANALYSIS

NATALITY

PRESENTED THIS YEAR--SELECTED MEDICAL DATA

Among the most important data items on the birth certificate are those relating to complications accompanying the pregnancy. These data are needed for monitoring the health of the state's mothers and children, investigating problem areas as a first step in the development of preventive measures, and planning appropriate prenatal care services. Prenatal care and delivery services applied properly and in a timely manner can serve to protect the health of high-risk mothers and help them deliver healthy infants. In this respect, other important data items on the birth certificate are those related to services provided to the prospective mother.

Unfortunately, these data have in the past been flawed by being incompletely reported on the certificate, which is why they have not been used to any great extent. However, current evidence* indicates that the completeness of some items has improved significantly since the birth certificate was redesigned in 1980. Therefore, it is now possible to present meaningful analyses using these valuable risk and medical service data.

*Birth complication reporting: the effect of certificate design." F. Fr
P. Starzyk, S. George, and J. McLaughlin. Am. J. Public Health, in pres

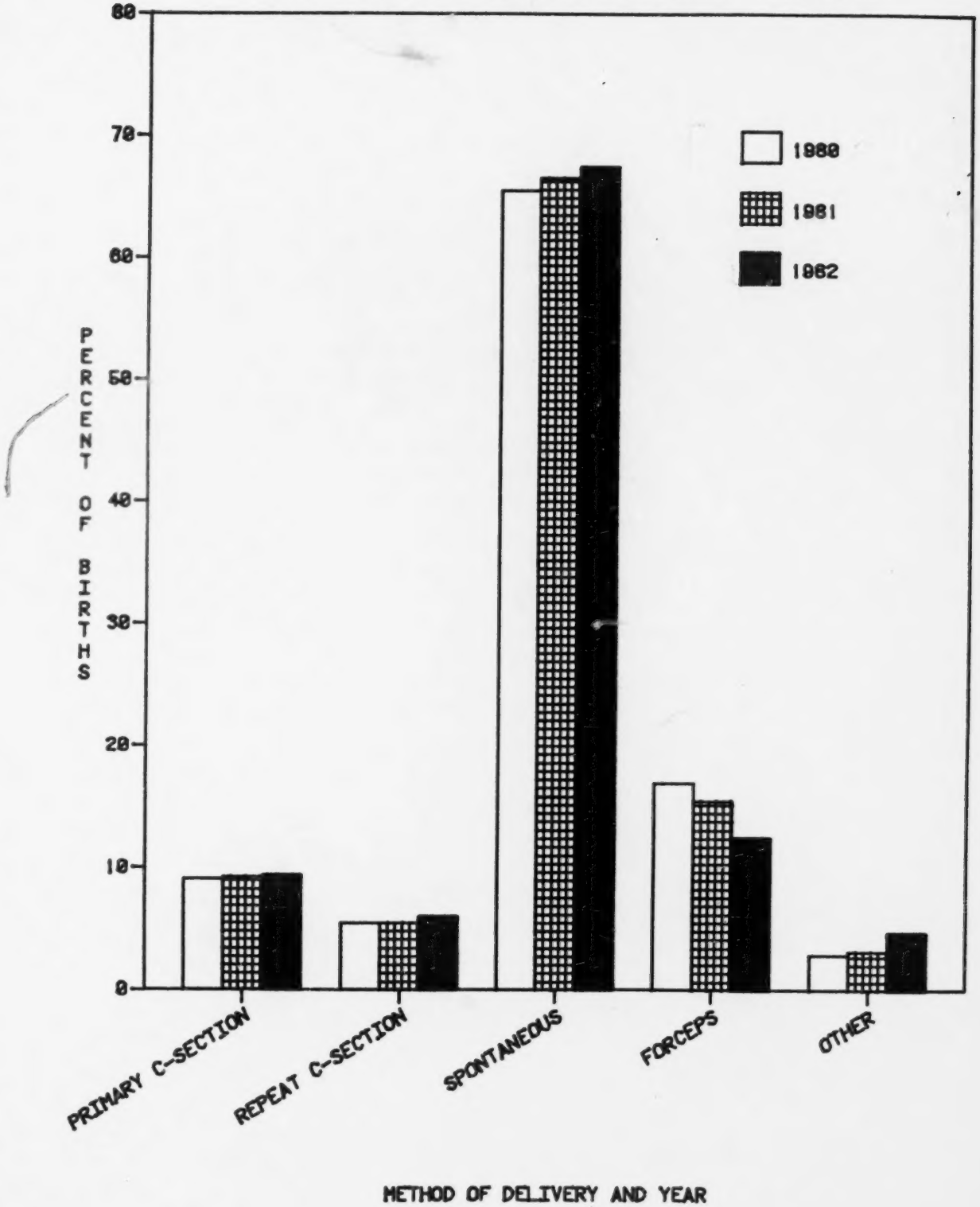
MOST WOMEN HAVE SPONTANEOUS BIRTHS

There are several methods by which a woman can deliver a baby. Of these, the spontaneous delivery requires the least amount of medical intervention and for most (but not all) women is the method of choice. The fraction of births occurring by spontaneous delivery has been increasing slightly in recent years; in 1982, more than two-thirds of the births occurring in Washington were delivered by this method.

In 1980, the second most common method of delivery was by forceps. However, use of this method has been decreasing in frequency, so that as of 1982, cesarean section (C-section) deliveries (primary plus repeat) outnumbered forceps deliveries. Among C-section births, the largest increase was for repeat C-section deliveries (births to women having previous C-section deliveries).

In general, non-spontaneous deliveries are performed because a problem or potential problem makes spontaneous delivery inadvisable. Examination of these problems or indications can provide further insight into some of the maternal and child health problems in the state.

METHOD OF DELIVERY
WASHINGTON STATE OCCURRENCE BIRTHS, 1980-1982



COMPLICATED PREGNANCIES LESS OFTEN HAVE SPONTANEOUS DELIVERY

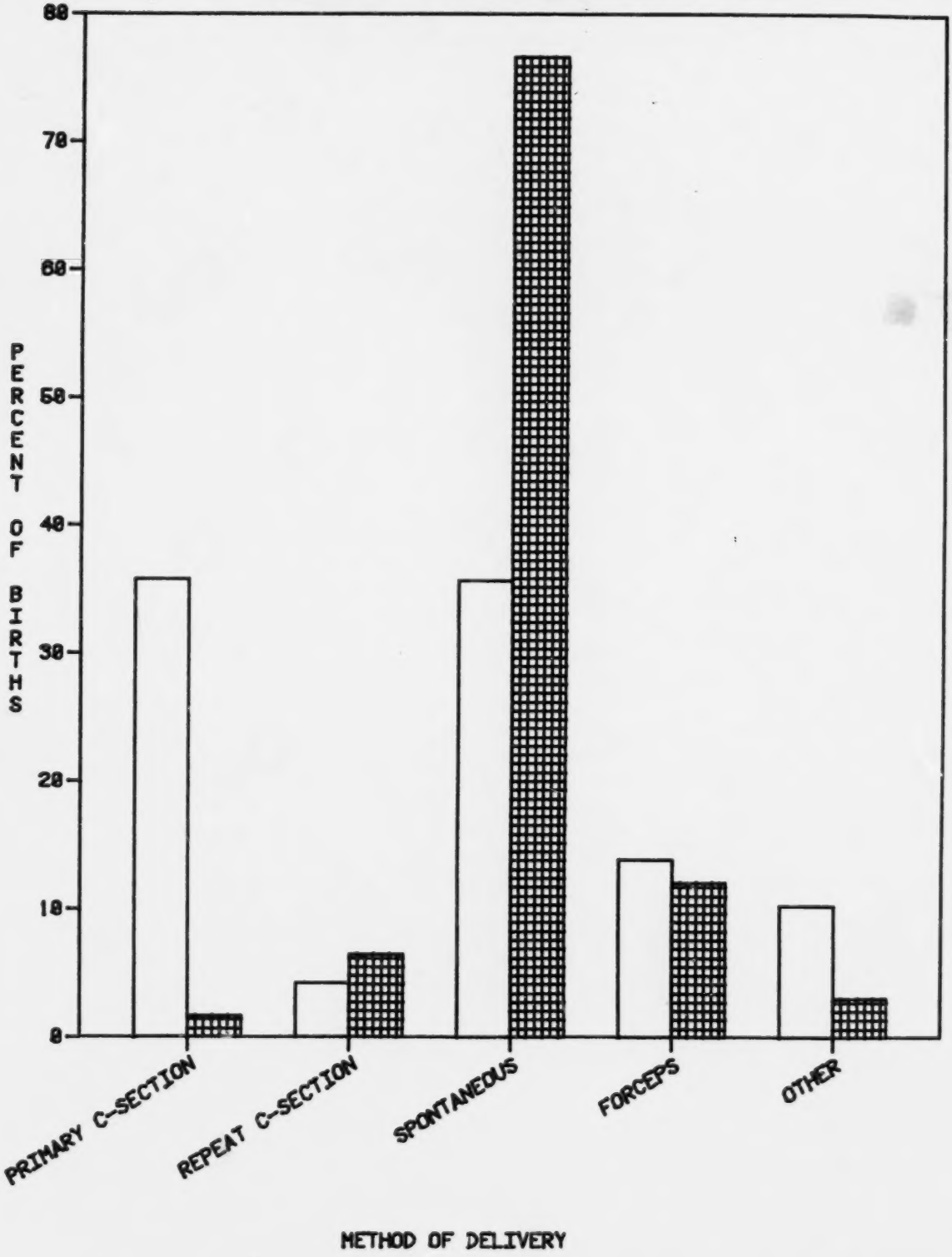
Each year, some pregnancies are complicated by certain maternal conditions such as pre-eclampsia or diabetes. In addition, labor can be complicated by such conditions as lacerations or breech presentation. For 1982, about 20% of the births reported either a complicating maternal condition or a complication of labor (or both). Spontaneous delivery was used significantly* less often for these births than for births where no complications of either type were specified. For example, 12% of the spontaneous deliveries had one or more complications specified, as compared to 86% of the C-section deliveries and 25% of the forceps deliveries. This finding is consistent with the fact that, as previously noted, these non-spontaneous methods are generally performed only when their use is indicated by a potential problem. To study the nature of these potential problems in more detail, it is necessary to examine what types of complication were specified and what effect these complications had on pregnancy outcome.

*$p(x^2) < .0001$

METHOD OF DELIVERY

BIRTHS WITH AND WITHOUT MATERNAL AND/OR LABOR COMPLICATIONS

WASHINGTON STATE OCCURRENCE BIRTHS, 1982



COMPLICATIONS OF LABOR ARE THE ONES MOST OFTEN SPECIFIED

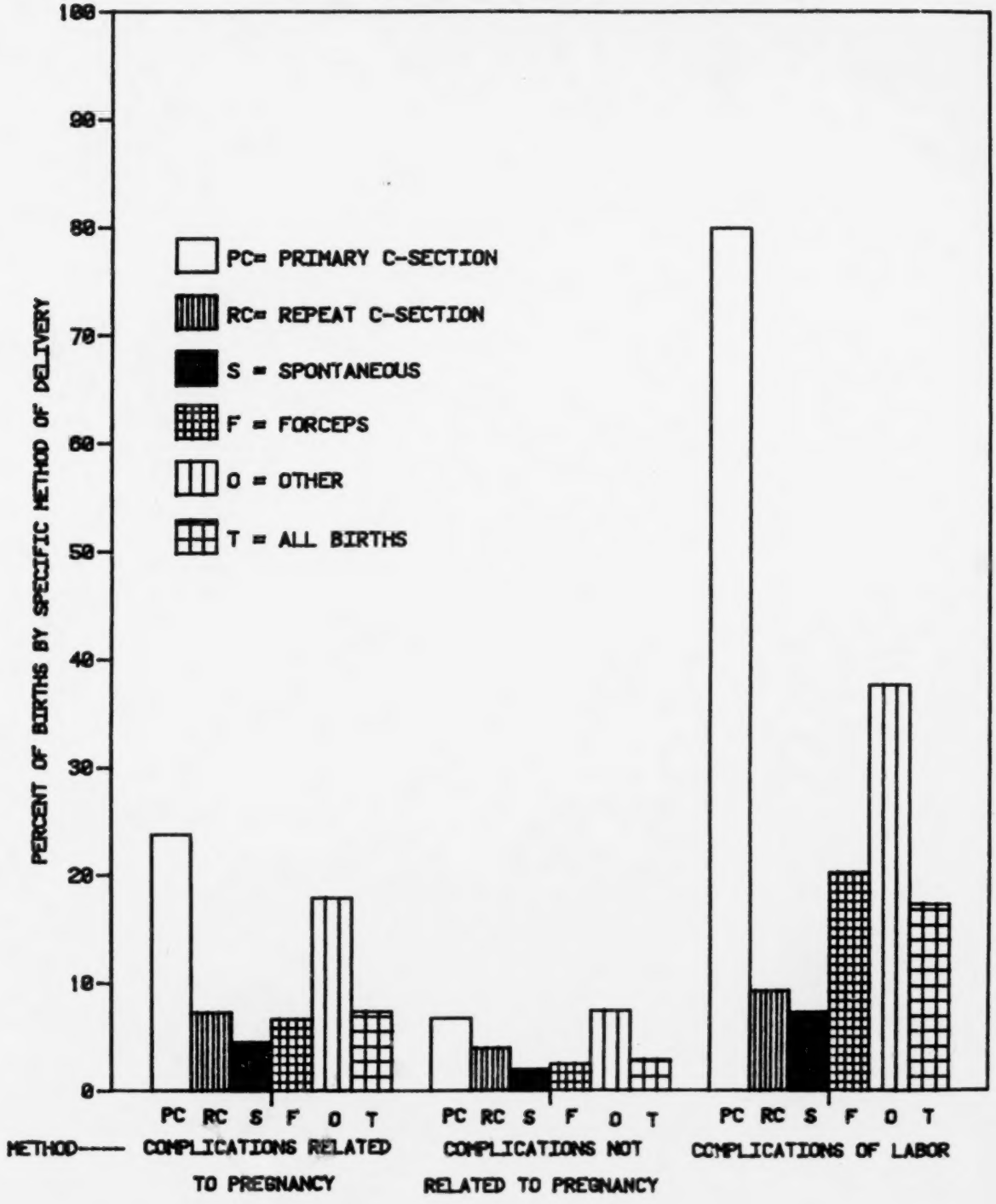
The birth certificate provides data on three types of prenatal complication:

1. Maternal conditions related to the pregnancy.
2. Maternal conditions not related to the pregnancy.
3. Complications of labor.

Of these three, complications of labor were the ones most often specified in 1982, especially for C-section births. Nearly half of the primary C-section births were complicated by either prolonged labor or breech presentation. In contrast, births by other methods were more often complicated by lacerations. For example, 8% of the forceps deliveries had lacerations specified.

About 7% of the 1982 births were complicated by maternal conditions related to pregnancy. Three conditions were noted most often. These were pre-eclampsia, herpes and anemia. One or more of these conditions were reported on 4% of all births and on 13% of the births delivered by C-section. Complications not related to pregnancy were less common, being reported in only 3% of the births. The most frequent entries in this classification were diabetes, chronic hypertension, and acute urinary tract infection.

TYPE OF COMPLICATION BY METHOD OF DELIVERY
WASHINGTON STATE OCCURRENCE BIRTHS, 1982



NATALITY

BIRTHS WITH COMPLICATIONS MORE OFTEN HAVE LOW BIRTHWEIGHT

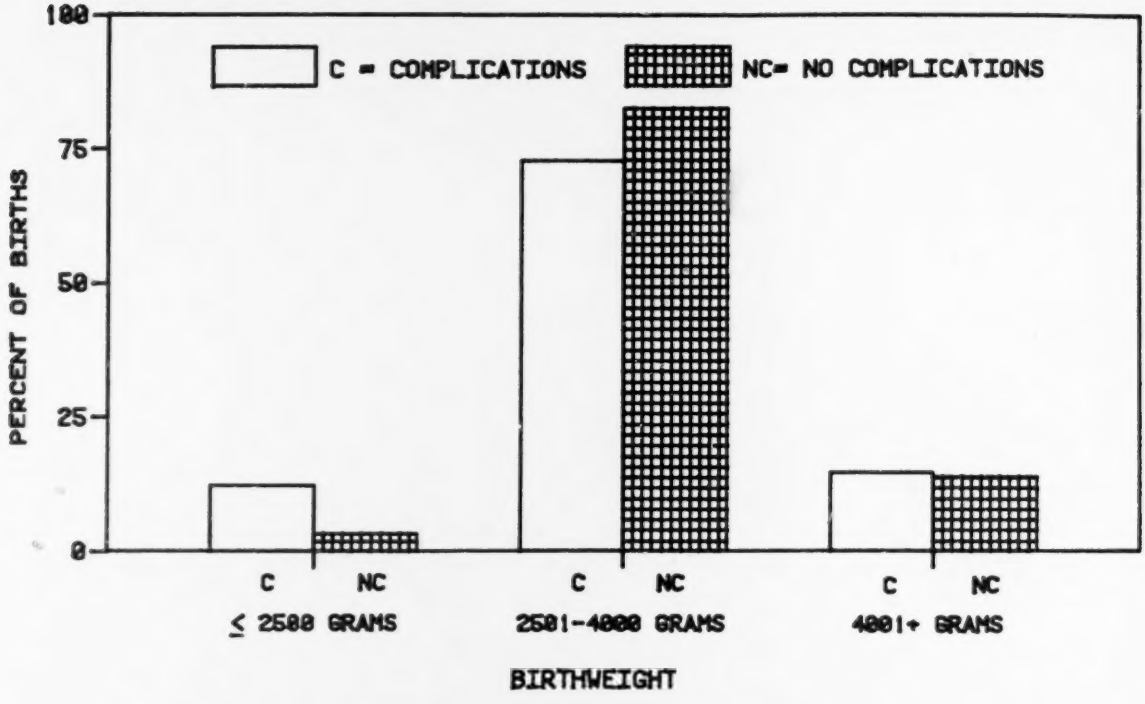
Complicated pregnancies and/or deliveries are more likely to have adverse outcomes. One of the most important outcome measures is birthweight; low birthweight ($\leq$ 2500 grams) is directly related to risk of infant morbidity and mortality. In 1982, about 5% of the Washington State births weighed 2500 grams or less. Those pregnancies having prenatal complications specified on the certificate were significantly* more likely to result in a low birthweight infant (12%, as compared to 3% for births without complications).

Complications related to pregnancy were the most likely to be associated with an infant weighing 2500 grams or less; nearly 15% of the infants born to mothers having a complication related to pregnancy were in this low birthweight group. When the complication of pregnancy occurs in a woman who also has a complication not related to pregnancy or a complication of labor, the chance of having a low birthweight infant rises to 26%. These results suggest that other outcome measures should be examined, to see how they correlate with complications.

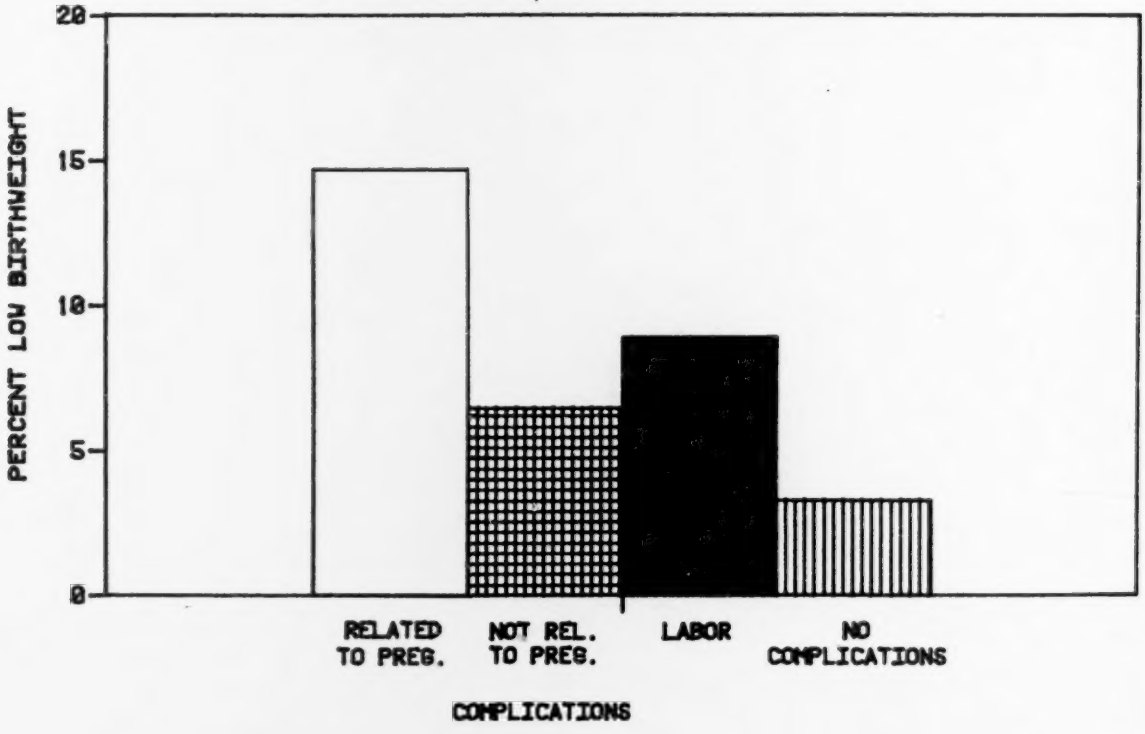
*$p(x^2) < .0001$

BIRTHWEIGHTS - WASHINGTON STATE OCCURRENCE BIRTHS, 1982

BIRTHWEIGHT DISTRIBUTIONS - BIRTHS WITH AND WITHOUT COMPLICATIONS



LOW BIRTHWEIGHT (≤ 2500 GRAMS) BY TYPE OF COMPLICATION



BIRTHS WITH COMPLICATIONS HAVE LOWER APGAR SCORES AND HIGHER INFANT MORTALITY RATES

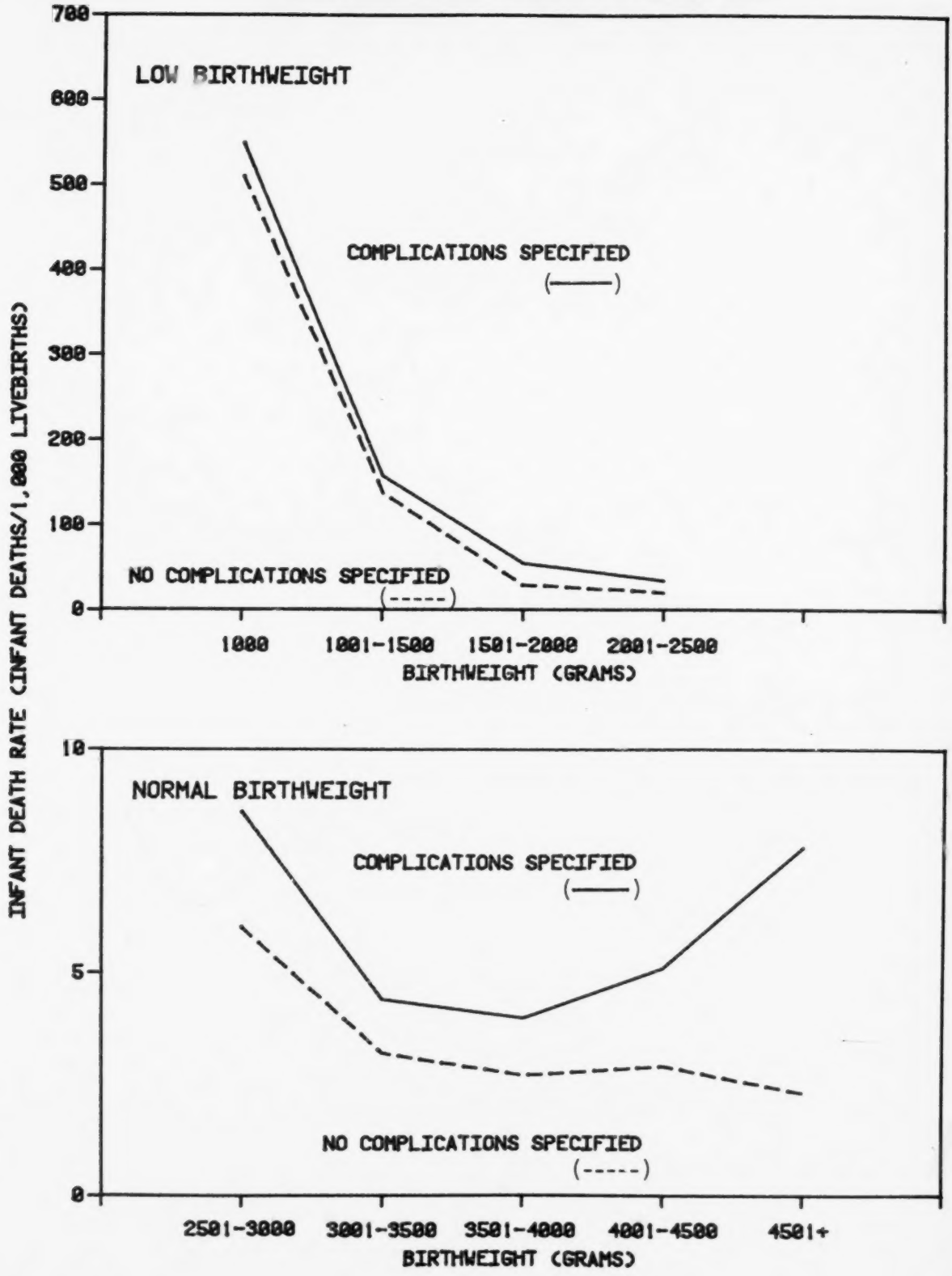
Births with prenatal complications (complications related and not related to pregnancy and complications of labor) have overall infant mortality rates nearly four times greater than births without apparent complications.This difference cannot be explained by the higher frequency of low birthweight among complicated births. For each birthweight group, births accompanied by prenatal complications have higher infant mortality rates, indicating that differences in birthweight cannot entirely explain the increased infant mortality.

These results should be considered with caution. Infant mortality rates are low, especially for infants of normal birthweight; therefore, one death more or less in a given category could have a significant effect on the rate. However, the results are supported by evidence of low Apgar scores for infants of complicated births and/or pregnancies. The five-minute Apgar score reflects a combination of the condition at birth and the results of any care received in the first five minutes of life; it is useful for predicting long-term health conditions and survival chances. About one percent of normal birthweight infants are rated severely or moderately depressed at five minutes (Apgar scores of 0-7). However, this figure rises significantly*, to 3% for infants whose birth was accompanied by prenatal complications.

The differences found for birthweight, infant mortality rate, and Apgar score all confirm that prenatal complications represent significant risk factors that need to be considered in pregnancy management programs. Along these lines, it is useful to examine prenatal care data, to determine the current utilization of services.

*$p(x^2) < .0001$

INFANT DEATH RATES BY BIRTHWEIGHT
BIRTHS WITH AND WITHOUT COMPLICATIONS
WASHINGTON STATE OCCURRENCE BIRTHS, 1982



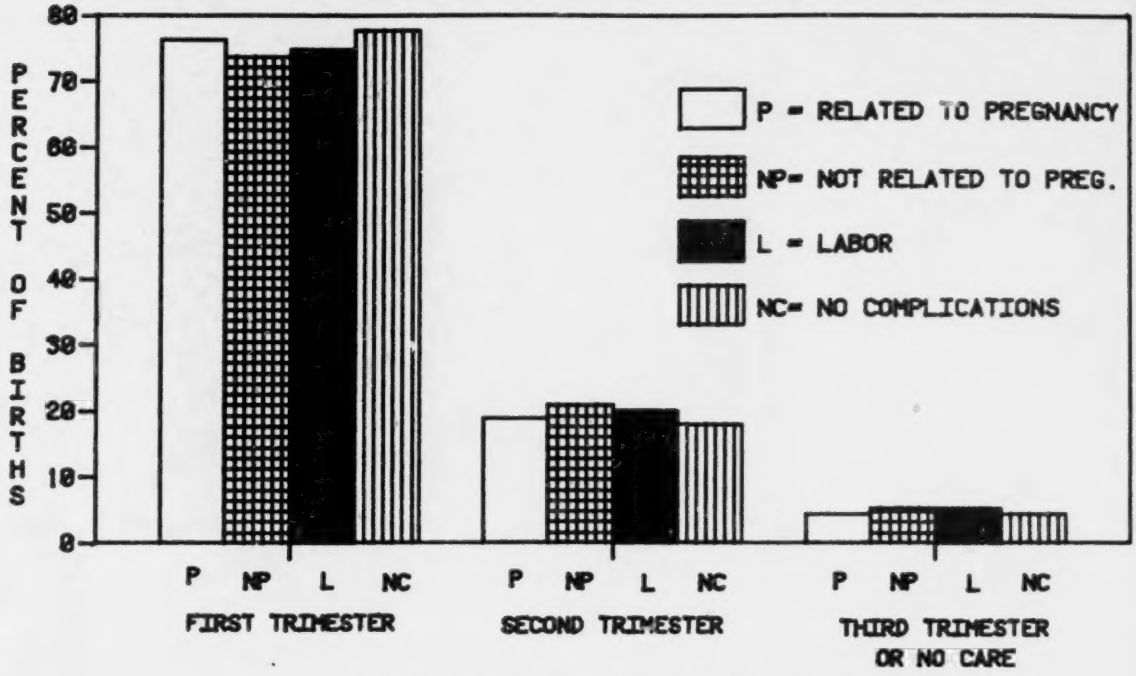
WOMEN WITH PRENATAL COMPLICATIONS HAVE MORE PRENATAL VISITS

Prenatal care obtained early in the pregnancy is correlated with good pregnancy outcome. About three-quarters of the women who gave birth in Washington State in 1982 began prenatal care in the first trimester of their pregnancy. Those women having prenatal complications began care somewhat later in their pregnancy, on the average, than did women without apparent complications. However, once they began care, women having complications had more prenatal visits. For example, among women beginning care in the first trimester and having an infant of 40 weeks' gestation, 31% of the women with prenatal complications had 15 or more prenatal visits, as compared to 22% of the women without complications, a significant difference.*

Is there a relationship between early prenatal care and outcome for these women with complicating conditions? As previously noted, women with complications related to pregnancy have the highest proportion of low birthweight infants. For these women, there is a decrease of approximately 15% in the frequency of low birthweight if they begin prenatal care in the first trimester of pregnancy. This difference is statistically significant** when three years of data are combined. There are not enough cases in any one year for a clear-cut pattern to emerge.

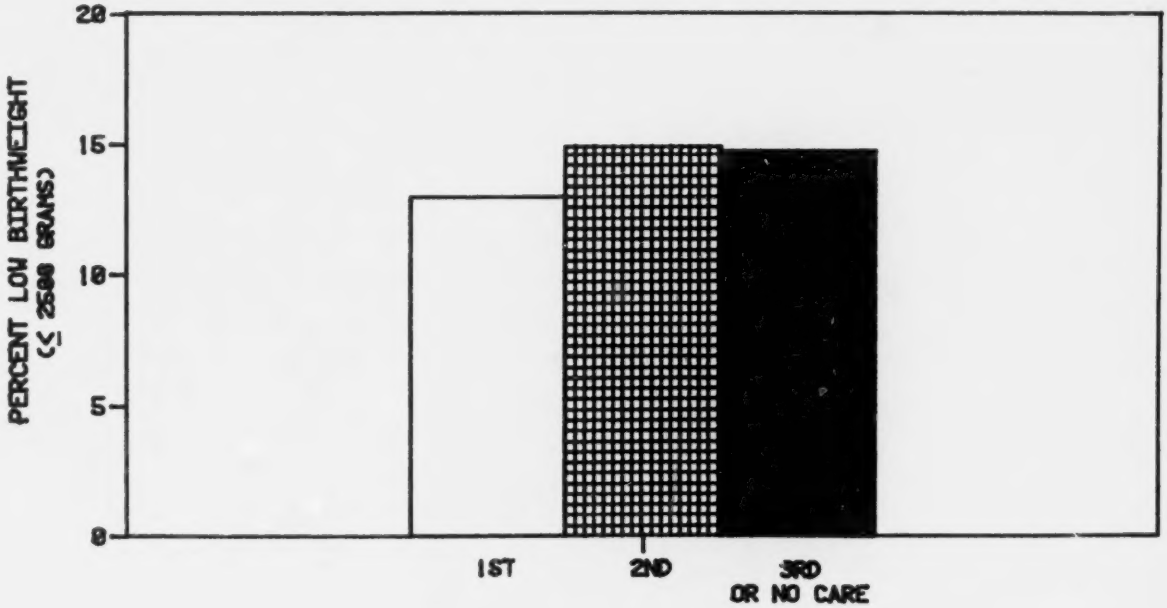
*$p(x^2) < .0001$
**$p(x^2) = .033$

PRENATAL CARE DATA - WASHINGTON STATE OCCURRENCE BIRTHS, 1982
TRIMESTER CARE BEGAN - BIRTHS WITH AND WITHOUT COMPLICATIONS



TYPE OF COMPLICATION AND TRIMESTER CARE BEGAN

COMPLICATIONS RELATED TO PREGNANCY
BIRTHWEIGHT BY TRIMESTER CARE BEGAN, 1980-82



TRIMESTER CARE BEGAN

RESULTS OF ANALYSIS OF MEDICAL DATA

Analysis of birth certificate data shows that there is consistency between some of the medical data items on the certificate. In particular, non-spontaneous methods of delivery were found to be preferentially performed for women having prenatal complications (complications related and not related to pregnancy and complications of labor). These complications, especially complications of labor, served as indicators to signal to health care practitioners that non-spontaneous delivery might be necessary to insure the health of mother and child.

In a separate analysis, the outcome of births to mothers having prenatal complications was studied. Three outcome measures (birthweight, infant death, and Apgar score) were examined. All of these measures pointed to the same conclusion--that births accompanied by prenatal complications tended to have higher infant morbidity and mortality. Early prenatal care is associated with reduced infant morbidity (fewer low birthweight infants) for women with prenatal complications. These women, particularly, should be encouraged to seek early prenatal care and to follow the advice of their health care practitioner. Statistics such as those presented here can be used by the practitioners to emphasize to their patients the need for proper care and to identify the women who most need such care.

MORTALITY

PRESENTED THIS YEAR--TRENDS IN SELECTED CAUSES OF DEATH

The death certificate item of most general interest is the cause of death. Cause of death statistics can help answer these important public health questions: For what reasons do Washington State residents die? Can these deaths be prevented, or at least delayed, by medical intervention or lifestyle changes? Are there 'epidemics', i.e., large increases over time in deaths from certain causes that may signal a public health problem now or in the future? Cause-specific death rates are monitored yearly to see if trends emerge which need to be examined in more depth. The cause of death data are then combined with other death certificate data (such as age and sex) to determine whether certain groups are affected more than others.

This year's analysis focuses on time trends and characteristics of decedents for certain causes of death. These causes of death were chosen for analysis either because they are responsible for large numbers of deaths among Washington State residents (heart disease, cancer) or because the decedents are relatively young (infant deaths, maternal deaths). This analysis supplements some of the information presented in previous reports.

MORTALITY

FEWER PEOPLE DIE OF ACUTE HEART CONDITIONS

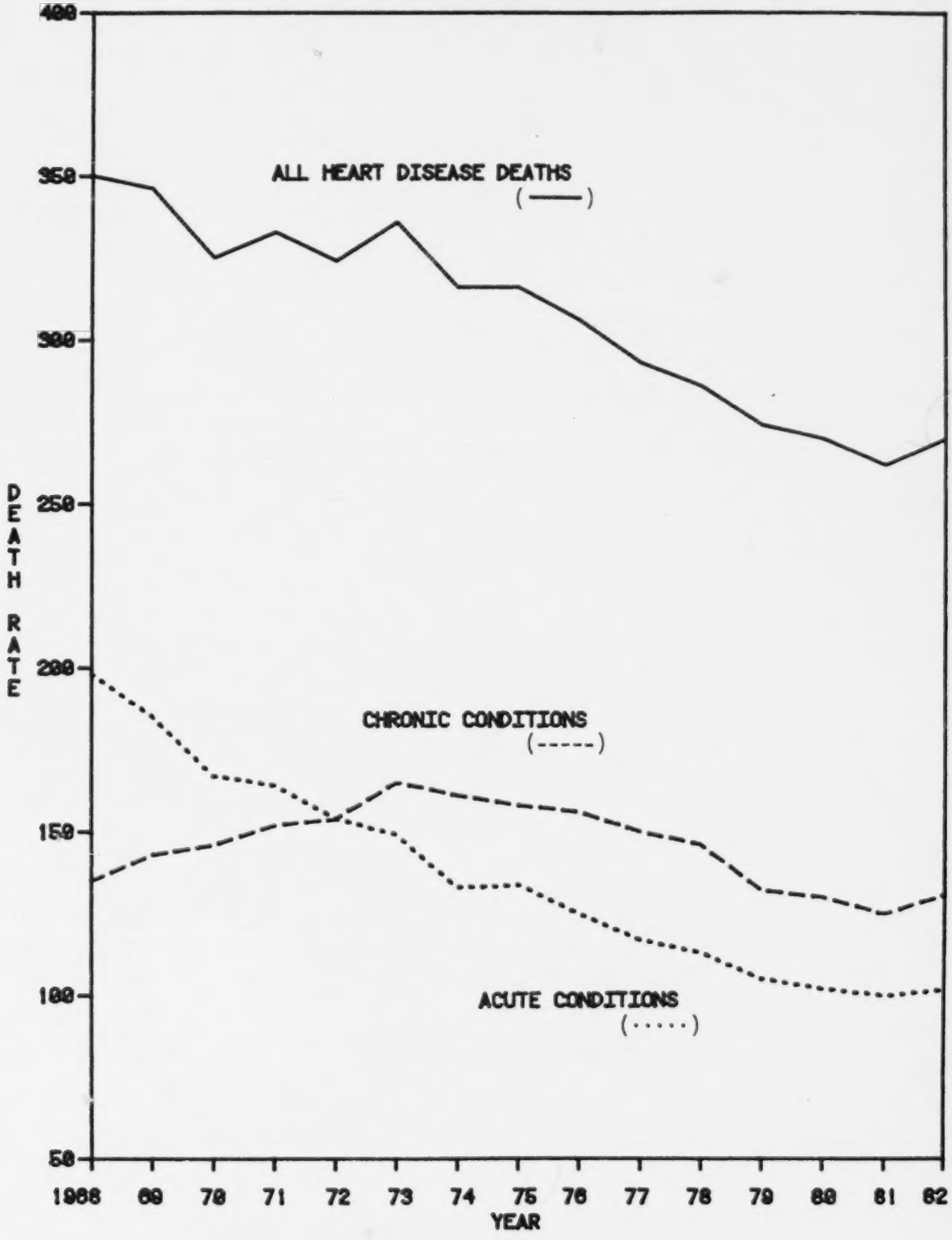
Heart disease has been the leading cause of death in Washington State since 1911. Even though heart disease is still the leading cause of death, the heart disease death rate has undergone a steady decline in recent years, decreasing by 23% between 1968 and 1982. This change cannot be attributed to changes in the age structure of the population, as age-adjusted death rates also decreased during this time period.

Using World Health Organization conventions, heart disease deaths are separated into acute conditions (8 weeks or less duration) and chronic conditions (9 or more weeks duration). Using this classification, it is obvious that nearly all of the decline in the heart disease death rate is due to a decrease in the death rate from acute conditions, which has had a twofold decrease since 1968. For the U.S. as a whole, death rates from acute heart conditions have also decreased, but not as much as they have for Washington State. In the late 1960's, Washington's rates were about 5% higher than U.S. rates, but since the late 1970's, Washington's rates have been about 20% lower.

This separation into acute and chronic conditions is somewhat arbitrary; the division at eight weeks separates what is essentially a continuum of conditions. In this respect, it is worthwhile to examine the distribution of durations within these two groupings.

HEART DISEASE DEATH RATES

WASHINGTON STATE RESIDENT DEATHS, 1968-1982



DEATH RATE = DEATHS/100,000 POPULATION

CONDITIONS OF BRIEF DURATION HAVE THE LARGEST DECREASE IN DEATH RATE

Acute and chronic heart conditions are not single, well-defined entities. For example, in the case of acute heart disease, the condition can exist anywhere from one second to two months before death occurs. How are these different durations related to the decrease in the acute heart disease death rate? Has there been any change over time in the duration of chronic conditions? These questions can be answered by comparing 1968 and 1982 duration-specific death rates for acute and chronic conditions.*

For acute conditions, a significant** change was found, with the largest decrease being in death rates for brief conditions (less than a minute duration); for these conditions, the 1982 rate was one-third the 1968 rate. Rates for conditions of longer duration (hours to weeks) all decreased by about 30%. In contrast, there was no significant** change in duration-specific death rates for chronic conditions.

One possible explanation for the observed pattern is that the incidence of heart conditions has decreased, possibly due to lifestyle changes (dietary changes, smoking cessation) and/or medical intervention (control of high blood pressure). Another explanation is that the acute heart disease death rate has decreased because of improved care of heart attack victims (such as the availability of Medic I care or passerby-initiated cardiopulmonary resuscitation techniques).

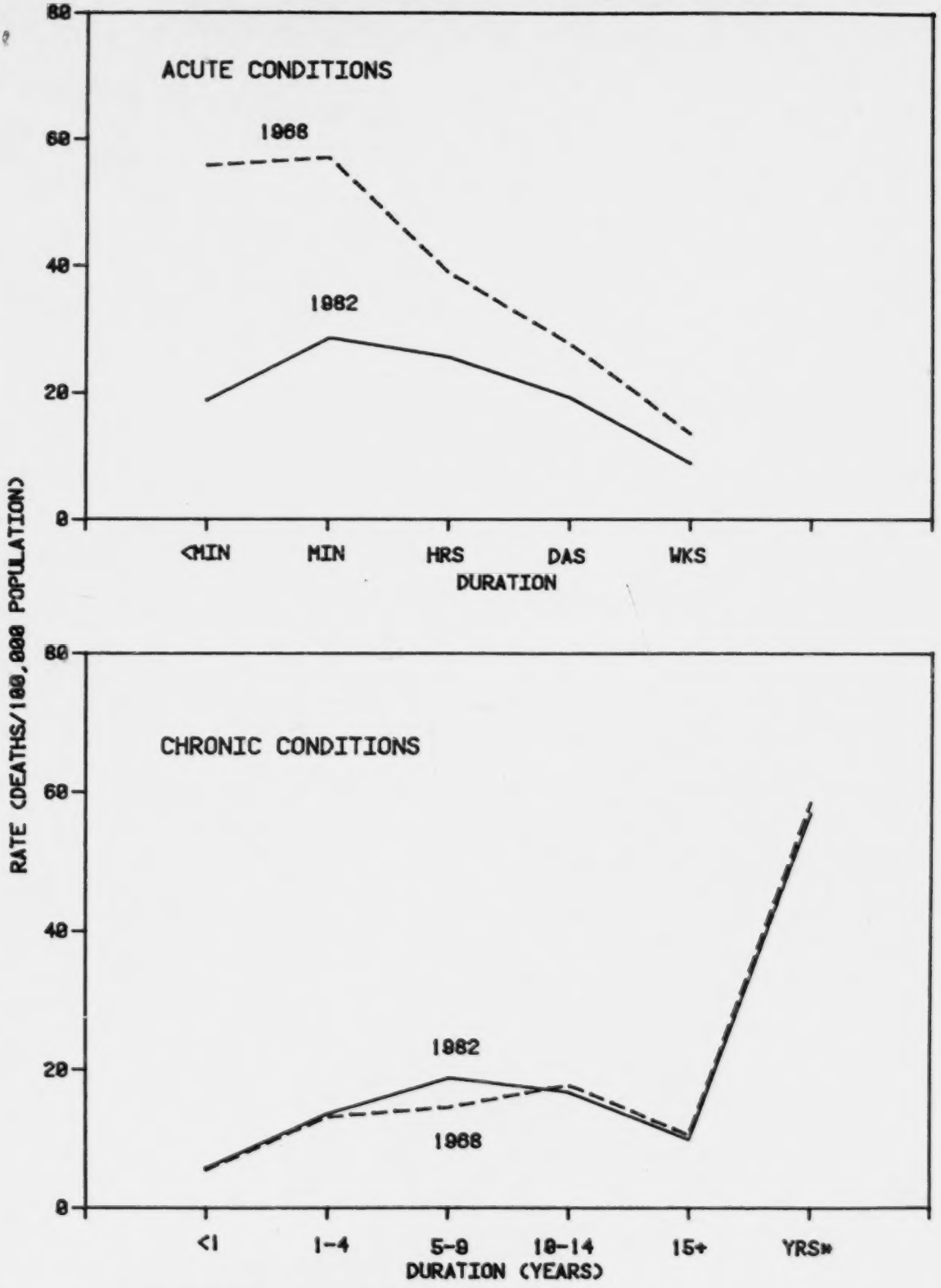
*Durations were determined by examining a 10% sample of acute and chronic heart disease death certificates for each year. Rates were calculated by extrapolating back to the total population.

**Significance for distribution of durations, 1968 vs 1982:

Acute conditions: $p(x_2^2) = .022$
Chronic conditions: $p(x^2) = .89$

DURATION - SPECIFIC HEART DISEASE DEATH RATES

WASHINGTON STATE RESIDENT DEATHS, 1968 AND 1982



* NO MENTION OF SPECIFIC LENGTH.

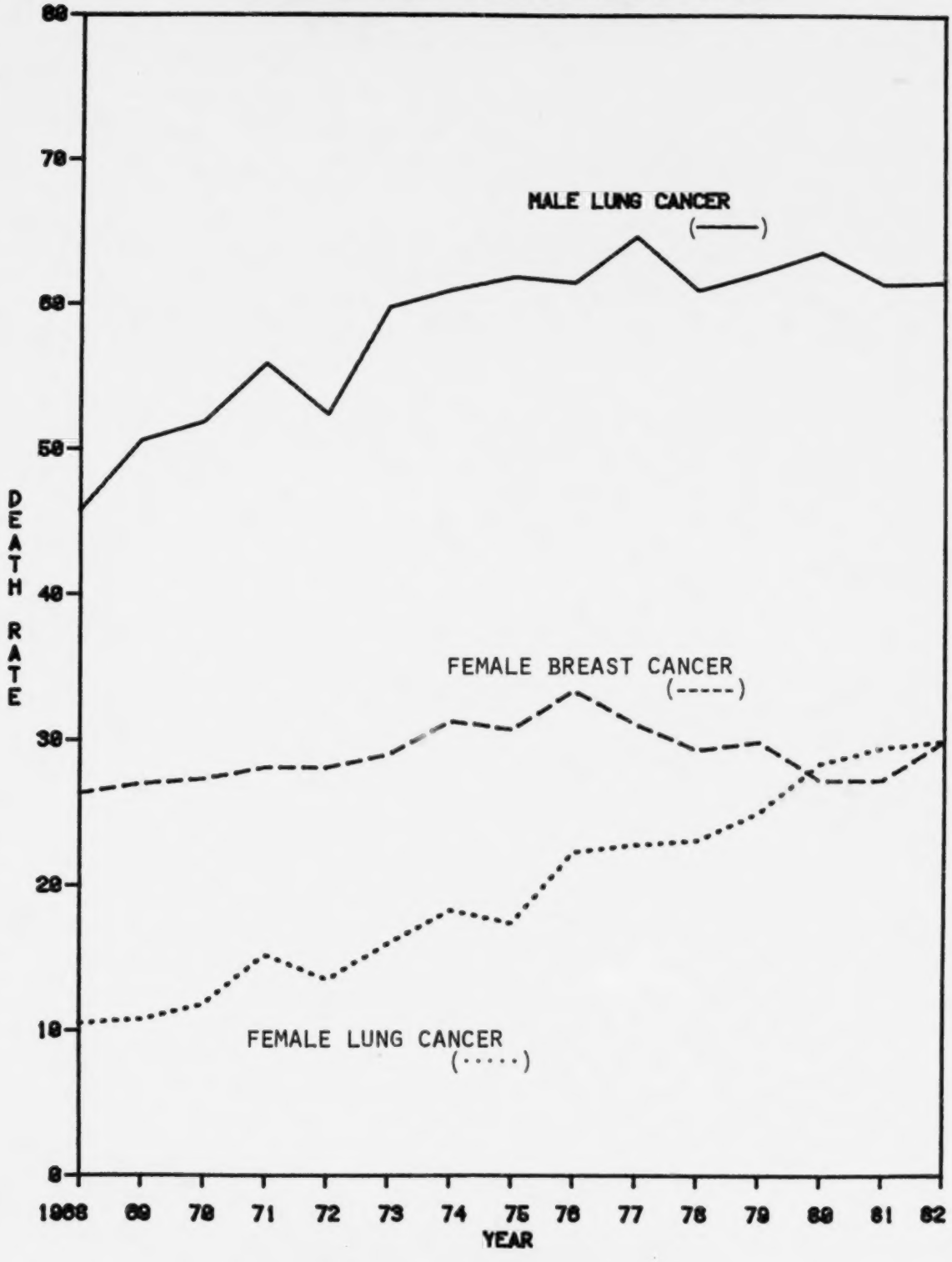
MORTALITY

LUNG CANCER BECOMES A SERIOUS PROBLEM FOR WOMEN

Lung cancer has traditionally been a male disease because its incidence is strongly related to smoking, which until recently was not socially acceptable for women. Since 1967, lung cancer has been the leading cause of cancer deaths among men. For women, breast cancer caused more cancer deaths than did lung cancer, until 1980. Due to a sharp increase in the female lung cancer death rate, lung cancer has become the leading cause of cancer death among women. Rising lung cancer death rates for women of all age groups probably mean that the overall lung cancer death rate for women will continue to increase for many years to come. In contrast, male lung cancer death rates continue to increase with time only for the oldest age group (75+). Rates for younger age groups (35-54) have begun to decrease in recent years. In fact, if current trends continue, male and female lung cancer death rates will be equal by the year 2000.

WASHINGTON STATE RESIDENT DEATHS

LUNG AND BREAST CANCER DEATH RATES BY SEX



DEATH RATE = DEATHS/100,000 POPULATION

LUNG CANCER DEATH RATES ARE RELATED TO SMOKING PATTERNS

It has been estimated* that at least 85% of lung cancer deaths are due to smoking. In view of this relationship, therefore, different male-female lung cancer death rates and time trends should be explained by male-female differences in smoking patterns. Men started smoking in large numbers just after World War I. On the other hand, large numbers of women did not begin to smoke until the 1940's, about 25 years later. This difference means that women collectively have about 25 years less exposure to the carcinogens in cigarettes and thus their lung cancer death rates are expected to be lower than male rates for any given year. However, if recent female rates are compared to male rates 25 years ago, it is seen that both the rates and the slope of the trend line agree almost exactly. This agreement implies that the 25-year lag in popularity of smoking is a reasonable explanation, both for current female lung cancer death rates and for the large increase in those rates seen in recent years.

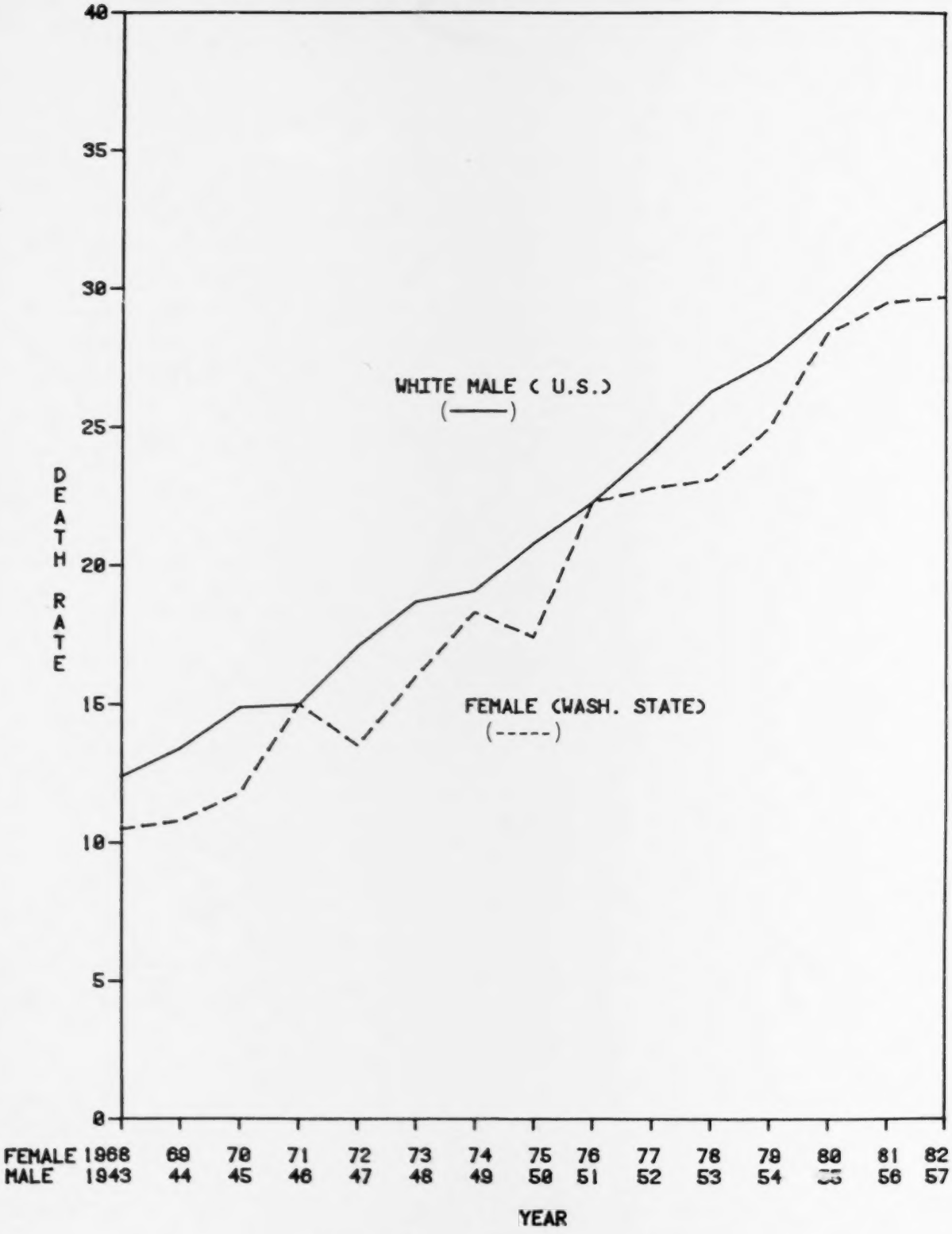
This strong increase in female lung cancer death rates is of great concern because women as a group seem to have more difficulty quitting smoking than do men and because there is evidence that smoking is on the increase among teenage women.** Lung cancer in women could thus be a serious health problem for many years to come.

*"The cause of cancer: qualitative estimates of avoidable risks of cancer in the United Sates." R. Doll and R. Peto. J Natl Cancer Inst 66(6): 1191-1308, 1981.

**The health consequences of smoking for women. A report of the Surgeon General (U.S. Department of Health and Human Services, Rockville, Md) 1980.

LUNG CANCER DEATH RATES

FEMALE RATES COMPARED TO MALE RATES 25 YEARS PREVIOUS



DEATH RATE = DEATHS/100,000 POPULATION

MORTALITY

NEONATAL AND POST-NEONATAL INFANT DEATHS HAVE DIFFERENT CAUSES

Washington State's infant mortality rates are generally 5-10% lower than U.S. rates. However, this is not the case for all infant ages; whereas neonatal* death rates are about 20% lower than U.S. rates, post-neonatal* death rates are about 10% higher. This difference probably arises because these two time periods represent substantially different causes of death. Neonatal deaths are relatively evenly divided between congenital anomalies, birth injuries, and other diseases of early infancy (primarily anoxic and hypoxic conditions). In contrast, the largest single cause of post-neonatal infant death is Sudden Infant Death Syndrome (SIDS), which accounts for nearly 60% of the post-neonatal infant deaths in Washington State.

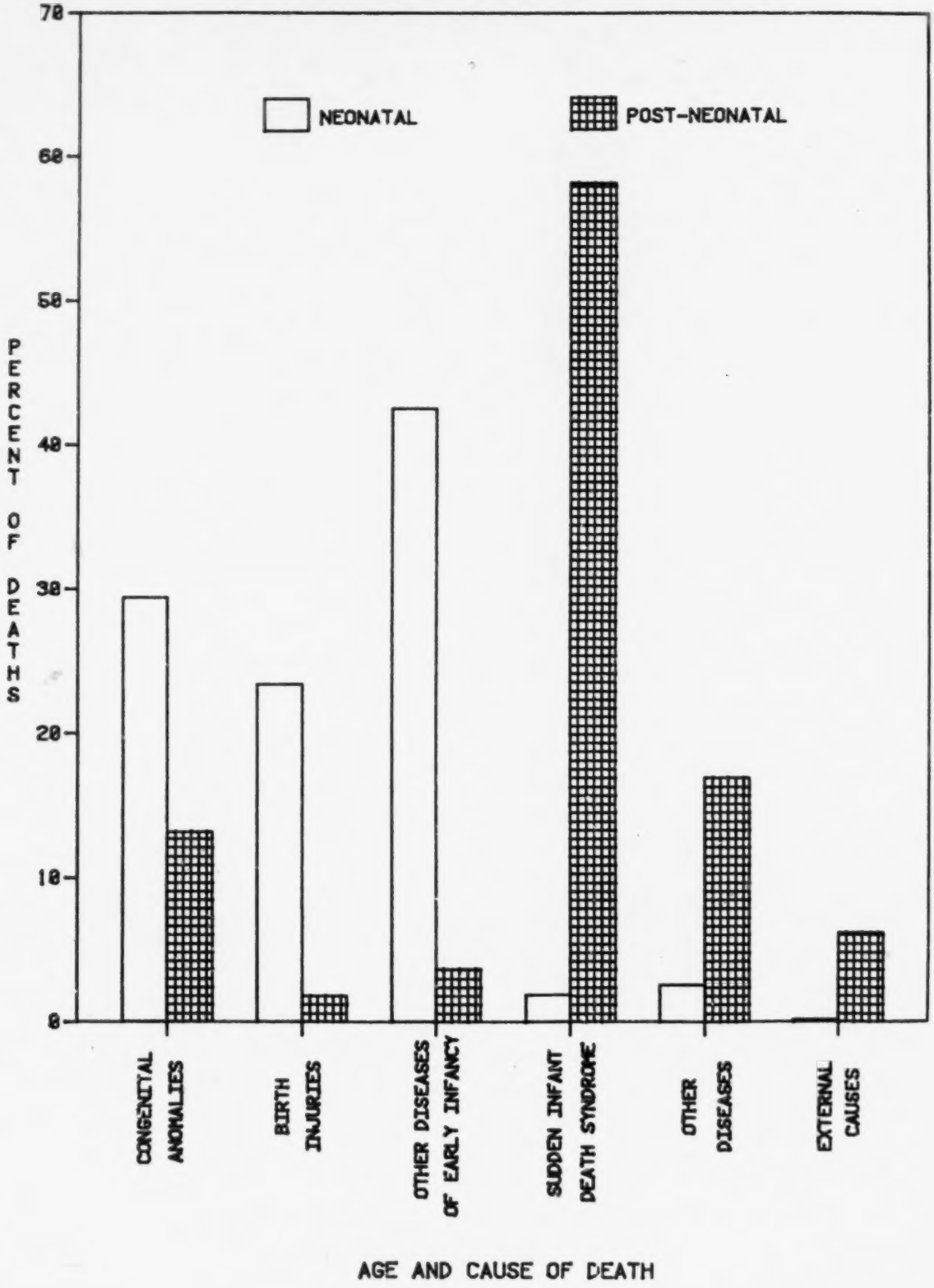
To put these data into perspective, cause- and age-specific death rates were compared to U.S. rates (for 1978, the latest year for which U.S. data have been published). For all causes of neonatal death, Washington's rates were the same as, or lower than, U.S. rates. The greatest difference was found for birth injuries, where Washington's rates were 35% lower than U.S. rates. For post-neonatal deaths, Washington infants had lower death rates for infectious and parasitic diseases (particularly diarrheal disorders and septicemia). On the other hand, Washington's SIDS death rates were 60% higher. Some of this difference is probably due to better diagnosis--what is considered a SIDS death in Washington may be called a different condition elsewhere. However, even if differential diagnosis can account for some of Washington's higher SIDS death rate, it still appears that SIDS is a relatively serious problem in Washington State.

*Neonatal = less than 28 days of life

Post-neonatal = at least 28 days but less than one year old

CAUSE OF DEATH BY AGE AT DEATH

WASHINGTON STATE RESIDENCE INFANT DEATHS, 1982



MORTALITY

MATERNAL DEATHS ARE SUBSTANTIALLY UNDERREPORTED

Maternal death rates are generally based on the cause of death cited on the death certificate. However, recent indications* are that death certificates alone are not a reliable estimator of maternal mortality. For this reason, the birth/fetal death index was searched for women who died in Washington State in 1977-81, to identify if the women had had deliveries within a year prior to their death. In these cases, the death certificate was examined to determine if the death should have been classified as maternal. Thirty-six deaths were found to meet the World Health Organization criteria for maternal death (death within 42 days of pregnancy termination from non-accidental or incidental causes). Only seventeen (47%) of these deaths had been previously reported as maternal deaths, while the remaining 19 (53%) were not reported as pregnancy-related even when the death occurred at the same time as the birth or fetal death (6 cases).**

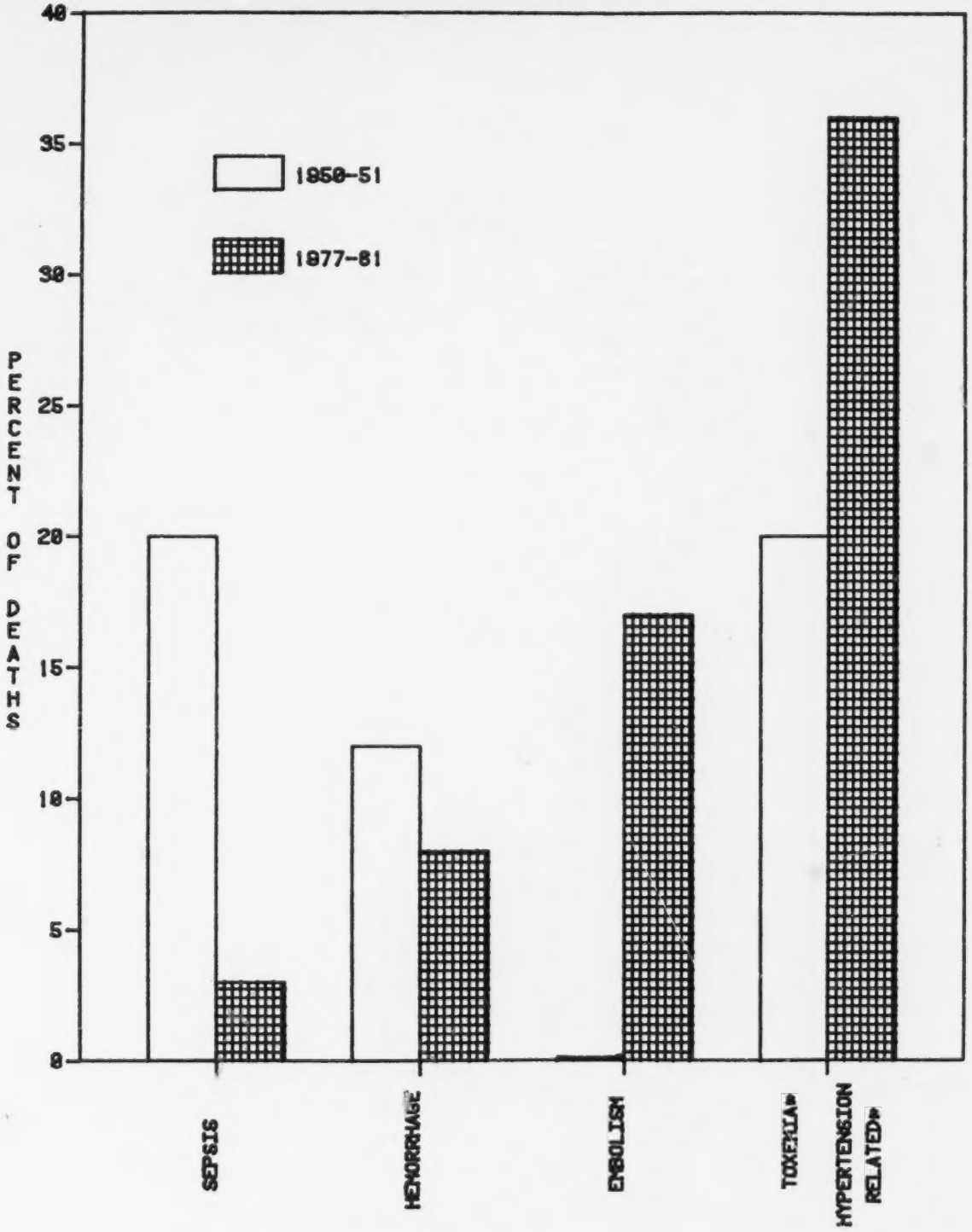
Corrected for underreporting, the number of maternal deaths is still quite small. Even so, it is important to have an accurate count of the number and cause of death for maternal deaths, as some of these deaths are preventable if timely care is provided. For example, 30 years ago, sepsis and hemorrhage were two of the leading causes of maternal death. Deaths from these causes have been substantially reduced due to the availability of antibiotics and/or blood transfusions. Currently, hypertension-related conditions (stroke, eclampsia, pre-eclampsia, and hypertension) represent the largest cause of maternal death. Many of these deaths, too, can be prevented with proper monitoring and intensive care. Complete data on maternal deaths can help to identify areas of need and to determine whether new problem areas (such as new causes of death) are developing.

*"The Risk of Childbearing Re-evaluated." G. Rubin, B. McCarthy, J. Shelton, R.W. Rochat, and J. Terry. Am J Public Health 71(7): 712-716, 1981.

**"Maternal Deaths in Washington State." P. Starzyk, F. Frost, and T. Benedetti. Unpublished results.

LEADING CAUSES OF MATERNAL DEATH

WASHINGTON STATE RESIDENCE DEATHS, 1950-51 AND 1977-81



* THESE TWO CATEGORIES ARE NOT ENTIRELY COMPARABLE.

RESULTS OF CAUSE OF DEATH ANALYSIS

At the beginning of this section, questions were posed as to whether deaths could be prevented or delayed and whether particular causes had reached epidemic proportion. Analysis of selected causes of death has provided some answers in these areas.

Deaths from acute heart conditions have decreased sharply in recent years. It appears that these deaths may have been prevented rather than merely delayed, as there has been no concomitant increase in deaths from heart conditions of longer duration.

With its recent upsurge, lung cancer among women could be considered an epidemic. It is also an example of preventable death, as it is almost entirely due to smoking.

Many maternal deaths from hypertension-related conditions are preventable. This prevention would cause a substantial decrease in the maternal death rate, as nearly 40% of the 1977-81 maternal deaths were due to these conditions.

SIDS represents a special cause of death. While SIDS causes fewer than 200 deaths each year, one particular group is affected. SIDS kills one out of every 450 infants born to Washington residents each year. For this cause especially, grief over the infant death is often compounded by parental feelings of guilt, making the death all the more tragic. Unfortunately, no preventive measures have as yet proved effective against SIDS.

In summary, then, while there is reason to be optimistic about the acute heart disease death rate, there is reason for concern about other conditions, notably lung cancer in women.

TABLE 1

SUMMARY OF THE NUMBER OF LIVEBIRTHS, DEATHS, DEATHS OF INFANTS UNDER ONE YEAR OF AGE, MATERNAL DEATHS, AND FETAL DEATHS, WITH RATES
STATE OF WASHINGTON, 1920 - 1982

		Livebirths		Deaths		Infant Deaths		Maternal Deaths		Fetal Deaths	
Year	Population	Number	Rate*	Number	Rate*	Number	Rate**	Number	Rate***	Number	Ratio**
1920	1,367,000	27,072	19.8	15,164	11.1	1,797	66.4	249	92.0	888	32.8
1921	1,385,700	27,267	19.7	13,254	9.6	1,512	55.5	192	70.4	852	31.2
1922	1,407,100	25,378	18.0	14,249	10.1	1,566	61.7	190	74.9	731	28.8
1923	1,427,300	25,259	17.7	13,856	9.7	1,428	56.5	159	62.9	680	26.9
1924	1,447,200	25,378	17.5	14,580	10.1	1,426	56.2	167	65.8	711	28.0
1925	1,467,600	24,741	16.9	15,280	10.4	1,395	56.4	140	56.6	667	27.0
1926	1,487,600	23,989	16.1	15,670	10.5	1,352	56.4	174	72.5	719	30.0
1927	1,507,800	23,315	15.5	15,950	10.6	1,162	49.8	151	64.8	650	27.9
1928	1,528,200	23,161	15.2	16,723	10.9	1,115	48.1	175	75.6	641	27.7
1929	1,548,400	22,685	14.7	16,413	10.6	1,110	48.9	150	66.1	572	25.2
1930	1,568,000	23,019	14.7	16,678	10.6	1,122	48.7	148	64.3	601	26.1
1931	1,585,000	22,028	13.9	16,524	10.4	1,064	48.3	141	64.0	591	26.8
1932	1,602,500	21,379	13.3	16,581	10.3	967	45.2	139	65.0	530	24.8
1933	1,619,700	20,882	12.9	16,705	10.3	811	38.8	140	67.0	446	21.4
1934	1,636,900	22,484	13.7	17,456	10.7	968	43.1	105	46.7	520	23.1
1935	1,654,000	22,378	13.5	18,046	10.9	998	44.6	120	53.6	469	21.0
1936	1,671,400	23,354	14.0	19,057	11.4	1,064	45.6	115	49.2	468	20.0
1937	1,689,100	24,882	14.7	18,771	11.1	978	39.3	118	47.4	495	19.9
1938	1,706,000	26,702	15.7	18,514	10.9	1,035	38.8	94	35.2	440	16.5
1939	1,723,400	26,471	15.4	18,528	10.8	977	36.9	97	36.6	450	17.0
1940	1,752,400	27,952	16.0	19,837	11.3	969	34.7	89	31.8	459	16.4
1941	1,816,700	30,916	17.0	19,359	10.7	1,065	34.4	66	21.3	445	14.4
1942	1,880,700	38,744	20.6	20,190	10.7	1,278	33.0	78	20.1	606	15.6
1943	1,945,000	44,258	22.8	22,017	11.3	1,534	34.7	72	16.3	575	13.0
1944	2,009,600	44,246	22.0	21,144	10.5	1,493	33.7	72	16.3	607	13.7
1945	2,073,600	44,296	21.4	21,292	10.3	1,523	34.4	79	17.8	672	15.2
1946	2,137,600	51,941	24.3	21,620	10.1	1,723	33.2	65	12.5	869	16.7
1947	2,202,400	58,230	26.4	21,763	9.9	1,630	28.0	59	10.1	907	15.6

TABLE 1 (Cont'd)

		Livebirths		Deaths		Infant Deaths		Maternal Deaths		Fetal Deaths	
Year	Population	Number	Rate*	Number	Rate*	Number	Rate**	Number	Rate***	Number	Ratio**
1948	2,266,400	55,460	24.5	21,925	9.7	1,525	27.5	36	6.5	776	14.0
1949	2,331,000	56,433	24.2	22,420	9.6	1,526	27.0	36	6.4	850	15.1
1950	2,378,963	55,755	23.4	22,450	9.4	1,526	27.4	28	5.0	799	14.3
1951	2,444,000	57,994	23.7	23,300	9.5	1,412	24.3	23	4.0	852	14.7
1952	2,496,100	61,436	24.6	22,874	9.2	1,522	24.8	15	2.4	857	13.9
1953	2,528,200	61,571	24.4	23,279	9.2	1,556	25.3	18	2.9	834	13.5
1954	2,566,000	62,703	24.4	23,238	9.1	1,514	24.1	29	4.6	829	13.2
1955	2,586,100	62,290	24.1	24,410	9.4	1,520	24.4	16	2.6	806	12.9
1956	2,651,900	64,999	24.5	24,207	9.1	1,524	23.4	13	2.0	777	12.0
1957	2,712,700	65,982	24.3	25,140	9.3	1,596	24.2	20	3.0	793	12.0
1958	2,767,900	65,574	23.7	25,429	9.2	1,707	26.0	11	1.7	764	11.7
1959	2,819,000	65,729	23.3	26,229	9.3	1,570	23.9	9	1.4	749	11.4
1960	2,853,214	65,251	22.9	26,505	9.3	1,528	23.4	17	2.6	738	11.3
1961	2,897,000	65,013	22.4	26,353	9.1	1,467	22.6	19	2.9	756	11.6
1962	2,948,000	64,812	22.0	27,343	9.3	1,476	22.8	6	0.9	704	10.9
1963	2,972,000	61,013	20.5	27,550	9.3	1,339	21.9	10	1.6	657	10.8
1964	3,008,000	57,148	19.0	28,106	9.3	1,277	22.3	7	1.2	637	11.1
1965	3,065,000	52,806	17.2	27,379	8.9	1,130	21.4	15	2.8	639	12.1
1966	3,125,000	51,777	16.6	29,035	9.3	1,084	20.9	13	2.5	554	10.7
1967	3,229,000	54,875	17.1	29,302	9.1	1,050	19.1	12	2.2	573	10.4
1968	3,329,000	57,206	17.2	30,360	9.1	1,120	19.6	8	1.4	620	10.8
1969	3,365,000	59,354	17.6	30,504	9.1	1,118	18.8	12	2.0	651	11.0
1970	3,409,169	60,499	17.7	29,901	8.8	1,135	18.8	9	1.5	640	10.6
1971	3,433,000	55,304	16.1	30,318	8.8	1,008	18.2	5	0.9	574	10.4
1972	3,418,800	48,250	14.1	29,747	8.7	805	17.0	6	1.2	428	8.8
1973	3,424,300	47,636	13.9	30,751	9.0	781	16.4	3	0.6	430	9.0
1974	3,448,100	50,096	14.5	29,773	8.6	763	15.2	4	0.8	450	9.0
1975	3,494,124	50,821	14.5	29,778	8.5	798	15.7	5	1.0	421	8.3
1976	3,571,600	53,004	14.8	30,275	8.5	765	14.4	3	0.6	439	8.3
1977	3,661,975	57,256	15.6	29,789	8.1	696	12.2	5	0.9	426	7.4
1978	3,774,294	58,725	15.6	30,469	8.1	737	12.6	4	0.7	465	7.9
1979	3,911,200	64,377	16.5	30,418	7.8	737	11.4	5	0.8	466	7.2
1980	4,130,163	67,857	16.4	32,012	7.8	798	11.8	1	0.1	533	7.9
1981	4,250,123	69,756	16.4	32,022	7.5	731	10.5	4	0.6	489	7.0
1982	4,264,000	69,529	16.3	32,309	7.6	744	10.7	4	0.6	501	7.2

*Per 1,000 Population **Per 1,000 Livebirths ***Per 10,000 Livebirths

1961-1969 population figures are revised estimates provided by the Office of Program Planning and Fiscal Management.

NATALITY

TABLE 2

LIVEBIRTHS IN WASHINGTON STATE BY SELECTED TOPICS, 1982

A. RESIDENCE, BY RACE BY SEX

	Total	Male	Female
Total	69,529	35,571	33,958
White	58,553	30,082	28,471
Black	3,146	1,569	1,577
Mexican/ Chicano	2,380	1,164	1,216
Indian	1,618	813	805
Japanese	404	213	191
Chinese	325	153	172
Filipino	666	347	319
Other Asian	2,270	1,142	1,128
Other	12	10	2
Not Stated	155	78	77

B. RESIDENCE, BY MOTHER'S AGE GROUP BY SEX

	Total	Male	Female
Total	69,529	35,571	33,958
Under 15	93	44	49
15 - 19	7,452	3,826	3,626
20 - 24	22,431	11,508	10,923
25 - 29	23,234	11,899	11,335
30 - 34	12,550	6,335	6,215
35 - 39	3,287	1,711	1,576
40 - 44	423	216	207
45 and Over	25	16	9
Unknown	34	16	18

C. RESIDENCE, BY ORDER OF BIRTH TO MOTHER

		%*
Total	69,529	100.0
1st child	28,660	41.2
2nd child	22,581	32.5
3rd child	10,228	14.7
4th child	3,592	5.2
5th child	1,369	2.0
6th child	576	0.8
7th child	264	0.4
8th child	118	0.2
9th child	77	0.1
10th or more	79	0.1
Unknown	1,985	2.9

D. RESIDENCE, BY ATTENDANT

		%*
Total	69,529	100.0
M.D.	64,886	93.3
Midwife	2,014	2.9
Osteopath	1,401	2.0
Nurse	412	0.6
Father	144	0.2
Mother	13	0.0
Other	242	0.3
Not Stated	417	0.6

E. RESIDENCE, MULTIPLE LIVEBIRTHS

Sets of twins	699
Sets of triplets	14
Sets of quadruplets	1

F. TYPE OF PLACE BY OCCURRENCE

Total	68,988
General Hospital	62,527
Federal Facility	4,169
Home	1,156
Birth Center	719
Born on Arrival	52
Other and Not Stated	365

TABLE 2 (Cont'd)

LIVEBIRTHS IN WASHINGTON STATE BY SELECTED TOPICS, 1982

G. RESIDENCE AND OCCURRENCE, BY SEX BY BIRTHWEIGHT IN GRAMS

	RESIDENCE			OCCURRENCE		
	Total	Male	Female	Total	Male	Female
Total	69,529	35,571	33,958	68,988	35,257	33,731
1,000 grams and under	278	139	139	268	137	131
1,001 - 1,500	298	146	152	302	147	155
1,501 - 2,000	731	355	376	710	349	361
2,001 - 2,500	2,214	1,057	1,157	2,202	1,046	1,156
2,501 - 3,000	8,985	3,881	5,104	8,939	3,851	5,088
3,001 - 3,500	24,474	11,460	13,014	24,279	11,344	12,935
3,501 - 4,000	22,608	12,242	10,366	22,442	12,146	10,296
4,001 - 4,500	8,002	4,994	3,008	7,930	4,947	2,983
4,501 and Over	1,865	1,250	615	1,841	1,243	598
Not Stated	74	47	27	75	47	28

H. RESIDENCE AND OCCURRENCE, LIVEBIRTHS AND FETAL DEATHS BY MONTH

	LIVEBIRTHS		FETAL DEATHS	
	Residence	Occurrence	Residence	Occurrence
Total	69,529	68,988	501	496
January	5,588	5,534	52	53
February	5,200	5,177	44	42
March	6,170	6,097	35	34
April	5,790	5,753	48	49
May	6,096	6,057	36	37
June	6,061	6,011	41	40
July	6,037	6,011	43	39
August	6,037	5,979	35	39
September	5,811	5,803	33	34
October	5,735	5,674	54	51
November	5,486	5,435	43	41
December	5,518	5,457	37	37

*Detail may not add to 100% due to rounding.

TABLE 17: LIVEBIRTH INTER-COUNTY TRAVEL PATTERNS,

OCCURRENCE ➡

RESIDENCE ⬇

RESIDENCE	ADAMS	ASOTIN	BENTON	CHELAN	CLALLAM	CLARK	COLUMBIA	COWLITZ	DOUGLAS	FERRY	FRANKLIN	GARFIELD	GRANT	GRAYS HARBOR	ISLAND	JEFFERSON	KING
ADAMS	174		17								4		39				1
ASOTIN		46										5					
BENTON	1		1931			1					104						6
CHELAN				734	1												11
CLALLAM					745									1			18
CLARK			1			2259		13						1			4
COLUMBIA			1				41					2					
COWLITZ						51		1120									1
DOUGLAS				335					1		1		5				2
FERRY										44			5				
FRANKLIN	49		505	2			1				331		6				3
GARFIELD		2										24					
GRANT	52		14	135									598				3
GRAYS HARBOR			1		1	1								706			17
ISLAND															662		27
JEFFERSON					21									7		181	18
KING			1	1	2	2		2						1		1	17805
KITSAP					1												241
KITTITAS				2									1				10
KLICKITAT			1			2											
LEWIS						1		49									11
LINCOLN													8				1
MASON														5			9
OKANOGAN			1	4		1				5			25				1
PACIFIC								5						56			7
PEND OREILLE																	1
PIERCE				1	2	1								1			532
SAN JUAN															1		6
SKAGIT															13		35
SKAMANIA						31											
SNOHOMISH				1									1	1	3		1917
SPOKANE			2														5
STEVENS																	1
THURSTON					1	1		1						8			14
WAHKIAKUM						1		28									2
WALLA WALLA			17				7				13	1					
WHATCOM					1										2		36
WHITMAN																	2
YAKIMA			113								2						5
OUT-OF-STATE	1	49	30	2	1	36		170			10		1	3	2		68

WASHINGTON STATE RESIDENTS AND OCCURRENCES, 1982

KITSAP	KITTITAS	KLICKITAT	LEWIS	LINCOLN	MASON	OKANOGAN	PACIFIC	PEND OREILLE	PIERCE	SAN JUAN	SKAGIT	SKAMANIA	SNOHOMISH	SPOKANE	STEVENS	THURSTON	WAHKIAKUM	WALLA WALLA	WHATCOM	WHITMAN	YAKIMA	OUT-OF-STATE
			1	4										45						4	2	2
														7						9		213
1		1							2				1	24				9			72	9
						15			1				1	3					1		3	1
1									3							1						
			1			1			3					2		2		1				1001
														2				19				1
			5				1							1		1						62
				1		27								4								2
						2								15	34							4
				1										17	1			12		2	3	4
														1				1		1		13
	11			1		8								58							11	1
			23				45		26				1			291			2			1
									10		64		25						2			2
5					1				2													1
18			3						602		2		370	6		8			1		4	31
2181					1				251		1		15	1		2			1		1	7
	254																				57	1
		183																			4	104
1			781				1		27							90					2	8
				51		1								76	1					1		
82			1		238				30							144						1
						548								30							1	12
			5				93		1							11						84
								87						57	5							2
46			3		1				3831				9	4		36					1	16
										38	55		1	1					10			
											1080		5						14		2	
		21										2										57
3					1	1			11		144		3008			1			7		1	6
	1			1		1			2					5882	4	1					1	37
				6										173	348							7
			100		4	1	2		289				1			1758						8
							1										1					2
									2									673				7
									1		87		3						1519		1	16
														68		1		1		384		36
	6					1			1				1	3				1			3219	7
4	1	41	2		2	2	1	40	40		9		9	246	2	2		284	6	144	17	

TABLE 4

LIVEBIRTHS WITH RATES BY PLACE OF RESIDENCE AND OCCURRENCE, BY SEX, WASHINGTON STATE 1982

COUNTY AND CITY	RESIDENCE				OCCURRENCE	
	NUMBER	RATE	MALE	FEMALE	NUMBER	RATE
STATE TOTALS	69,529	16.3	35,571	33,958	68,988	16.2
ADAMS	293	22.4	144	149	277	21.1
ASOTIN	280	16.5	137	143	97	5.7
BENTON	2,162	19.4	1,097	1,065	2,635	23.6
KENNEWICK	943	26.7	490	453	799	22.6
RICHLAND	523	15.6	255	268	1,580	47.1
CHELAN	771	16.9	402	369	1,217	26.7
WENATCHEE	324	18.9	180	144	1,040	60.7
CLALLAM	769	14.8	379	390	776	14.9
PORT ANGELES	284	16.4	136	148	646	37.3
CLARK	3,289	16.6	1,715	1,574	2,388	12.0
VANCOUVER	1,216	28.3	636	580	2,365	55.1
COLUMBIA	66	16.5	35	31	49	12.3
COWLITZ	1,242	15.6	667	575	1,388	17.5
KELSO	207	18.7	118	89	2	.2
LONGVIEW	507	15.4	269	238	1,384	44.7
DOUGLAS	378	16.9	181	197	1	.0
FERRY	104	17.0	51	53	49	8.0
FRANKLIN	937	25.9	455	482	465	12.8
PASCO	576	30.2	284	292	463	24.3
GARFIELD	42	17.5	21	21	32	13.3
GRANT	892	18.4	477	415	689	14.2
MOSES LAKE	237	23.0	126	111	521	50.5
GRAYS HARBOR	1,115	16.9	581	534	790	12.0
ABERDEEN	316	17.0	177	139	682	36.8
ISLAND	792	17.2	410	382	683	14.8
OAK HARBOR	287	23.4	148	139	401	32.7
JEFFERSON	236	14.0	127	109	182	10.8
KING	18,860	14.4	9,546	9,314	20,820	15.9
AUBURN	533	18.4	278	255	575	19.9
BELLEVUE	899	12.1	465	434	2,036	27.4
KENT	481	20.2	240	241	22	.9
KIRKLAND	352	18.3	194	158	1,018	52.8
MERCER ISLAND	174	8.2	87	87	3	.1
REDMOND	408	16.1	209	199	1,911	75.5
RENTON	593	17.9	303	290	2,061	62.3
SEATTLE	6,779	13.8	3,399	3,380	12,818	26.1
KITSAP	2,673	16.9	1,405	1,268	2,312	14.6
BREMERTON	888	25.0	450	438	2,257	63.6
KITTITAS	325	12.9	166	159	273	10.9
ELLENSBURG	146	12.4	67	79	260	22.1
KLICKITAT	276	17.0	140	136	228	14.1
LEWIS	971	17.2	495	476	925	16.4
CENTRALIA	240	20.3	122	118	460	39.0
LINCOLN	139	14.5	71	68	65	6.8
MASON	510	15.6	273	237	248	7.6
OKANOGAN	625	20.2	303	322	605	19.5
PACIFIC	262	14.8	140	122	144	8.1
PEND OREILLE	132	15.0	73	59	107	12.2
PIERCE	9,484	18.8	4,814	4,670	10,135	20.1
PUYALLUP	335	18.0	191	144	1,246	67.1
TACOMA	3,265	20.4	1,626	1,639	8,755	54.7
SAN JUAN	102	12.0	53	49	28	3.3
SKAGIT	1,089	16.6	534	555	1,382	21.1
MOUNT VERNON	274	20.1	136	139	913	67.0
SKAMANIA	111	13.9	52	59	2	.3
SNOHOMISH	6,003	16.8	3,114	2,889	4,347	12.2
EDMONDS	454	16.6	229	225	1,654	60.4
EVERETT	1,197	21.1	593	604	2,111	37.2
LYNNWOOD	519	22.2	262	257	18	.8
MOUNTLAKE TERRACE	234	14.7	139	95	3	.2
SPOKANE	5,607	16.1	2,908	2,699	6,396	18.4
SPOKANE	2,911	17.0	1,505	1,406	5,947	34.6
STEVENS	535	18.2	285	250	395	13.4
THURSTON	2,185	16.6	1,139	1,046	2,346	17.9
LACEY	283	20.0	148	135	7	.5
OLYMPIA	664	24.0	341	323	2,334	84.3
WAHKIAKUM	35	9.2	18	17	1	.3
WALLA WALLA	720	14.9	337	383	1,001	20.7
WALLA WALLA	436	17.0	205	231	993	38.8
WHATCOM	1,666	15.0	842	824	1,563	14.1
BELLINGHAM	621	13.5	325	296	1,534	33.4
WHITMAN	492	12.2	255	237	545	13.6
PULLMAN	235	10.1	122	113	451	19.4
YAKIMA	3,359	19.2	1,729	1,630	3,402	19.4
YAKIMA	972	19.5	505	467	2,430	48.7

TABLE 5

LIVEBIRTHS BY RACE BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY AND CITY	TOTAL	WHITE	BLACK	MEXICAN/ CHICANO	INDIAN	JAPAN- ESE	CHIN- ESE	FILIP- INO	OTHER ASIAN	OTHER	UNKNOWN
STATE TOTALS	69,529	58,553	3,146	2,380	1,618	404	325	666	2,270	12	155
ADAMS	293	253	2	36	1			1			
ASOTIN	280	270		1	8				1		
BENTON	2,162	1,917	29	130	19	4	6	8	45		4
KENNEWICK	943	845	14	45	8	1	1	3	24		2
RICHLAND	523	465	14	11	7	2	3	3	18		
CHELAN	771	657	1	91	10	2		4	6		
WENATCHEE	324	287		23	7	2		3	2		
CLALLAM	769	683	2	3	70	1		1	8		1
PORT ANGELES	284	269	1	1	9	1			3		
CLARK	3,289	3,009	59	48	42	12	17	14	80		8
VANCOUVER	1,216	1,061	37	24	23	2	4	8	53		4
COLUMBIA	66	61		3	1			1			
COWLITZ	1,242	1,164	1	17	21	2	3	3	29		2
KELSO	207	198		4	2	1			2		
LONGVIEW	507	463		5	12		2	1	23		1
DOUGLAS	378	322	1	50		4		1			
FERRY	104	67			31			1	2		3
FRANKLIN	937	613	44	245	6	3	2	2	22		
PASCO	576	308	43	200	3	1	2	1	18		
GARFIELD	42	42									
GRANT	892	723	13	128	9	8		5	5	1	
MOSES LAKE	237	183	7	37	3	4			3		
GRAYS HARBOR	1,115	1,002		24	73	2		4	10		
ABERDEEN	316	278		13	20	1		1	3		
ISLAND	792	712	25	8	8	5		3	31		
OAK HARBOR	287	243	19	4	1	1		1	18		
JEFFERSON	236	224			8						4
KING	18,860	15,246	1,410	178	249	194	211	324	985	3	60
AUBURN	533	488	5	4	16	2		6	12		
BELLEVUE	899	766	33	9	3	21	7	2	57		1
KENT	481	411	18	4	11	5	6	4	22		
KIRKLAND	362	322	7	6	1	2	3	2	8		1
MERCER ISLAND	174	159	3			3	3	3	2		1
REDMOND	408	367	9	3	1	5	4	4	15		
RENTON	593	471	43	6	9	7	5	16	34		2
SEATTLE	6,779	4,519	1,087	78	108	86	120	180	564	1	36
KITSAP	2,673	2,310	97	33	59	18	7	82	62	2	3
BREMERTON	888	697	62	18	24	5	4	52	24	2	
KITTITAS	325	307	2	5	2	1	1	1	6		
ELLENSBURG	146	134	2	2	1		1	1	5		
KLICKITAT	276	248		9	15			1	2		1
LEWIS	971	939	3	12	5	2		1	9		
CENTRALIA	240	228	2	4	4			1	1		
LINCOLN	139	134			5						
MASON	510	450	1	13	32	1	1	2	8		2
OKANOGAN	625	489		32	89	1		2	3		9
PACIFIC	262	240	1	3	8		2		8		
PEND OREILLE	132	126			6						
PIERCE	9,484	7,350	1,137	125	153	73	19	116	505	3	3
PUYALLUP	335	315	2	2	2	3		3	8		
TACOMA	3,265	2,395	489	39	88	26	11	38	178		1
SAN JUAN	102	99			1	1			1		
SKAGIT	1,089	1,031	7	14	22	2		2	11		
MOUNT VERNON	274	257	3	5	2			1	6		
SKAMANIA	111	105		3	2			1			
SNOHOMISH	6,003	5,558	51	38	112	19	24	42	156		3
EDMONDS	454	424	1	1	2	4	5	6	11		
EVERETT	1,197	1,065	19	9	32	4	6	11	50		1
LYNNWOOD	519	465	8	4	5	3	2	2	29		1
MOUNTLAKE TERRACE	234	213	1	2	4		3	4	7		
SPOKANE	5,607	5,144	150	32	118	24	14	11	111	1	2
SPOKANE	2,911	2,583	100	17	82	18	12	5	93	1	
STEVENS	535	476	1	1	47	2		1	2		5
THURSTON	2,185	1,983	25	20	35	8	2	16	93	1	2
LACEY	283	242	5	1	3	2	1	3	25		1
OLYMPIA	664	584	8	10	6	3		7	44	1	1
WAHKIAKUM	35	33	1								1
WALLA WALLA	720	607	15	81	2	4	4		7		
WALLA WALLA	436	365	12	49	1	2	2		5		
WHATCOM	1,666	1,459	11	23	102	3	2	4	31		31
BELLINGHAM	621	556	3	4	26	3	1	3	16		9
WHITMAN	492	452	11	5	3	5	6		10		
PULLMAN	235	200	11	3	2	4	5		10		
YAKIMA	3,359	2,948	46	969	244	3	4	12	21	1	11
YAKIMA	972	715	40	165	22	2	2	5	16		5

TABLE 6

LIVEBIRTHS BY MOTHER'S AGE GROUP PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY AND CITY	ALL AGES	UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	AGE UNKNOWN
STATE TOTALS	69,529	93	7,452	22,431	23,234	12,550	3,287	423	25	34
ADAMS	293	1	36	106	95	45	7	3		
ASOTIN	280		30	130	79	33	7	1		
BENTON	2,162	1	203	740	733	381	93	10		1
KENNEWICK	943	1	100	344	328	138	31	1		
RICHLAND	523		34	165	174	121	23	5		1
CHELAN	771	3	114	260	225	129	33	7		
WENATCHEE	324	1	60	106	98	47	8	4		
CLALLAM	769	1	91	275	270	104	25	3		
PORT ANGELES	284	1	28	110	98	36	10	1		
CLARK	3,289	3	395	1,043	1,125	558	140	19	3	3
VANCOUVER	1,216	3	197	453	365	147	43	6		2
COLUMBIA	66	1	13	17	16	14	4	1		
COWLITZ	1,242	3	195	466	366	163	40	8		1
KELSO	207		39	83	62	20	2			1
LONGVIEW	507	3	83	187	152	59	21	2		
DOUGLAS	378	1	46	125	124	66	14	2		
FERRY	104		12	31	31	23	6	1		
FRANKLIN	937	2	137	339	280	139	31	9		
PASCO	576	2	99	226	157	68	19	5		
GARFIELD	42		4	17	15	5	1			
GRANT	892	4	130	312	267	130	40	9		
MOSES LAKE	237	1	38	84	71	28	13	2		
GRAYS HARBOR	1,115	4	161	390	362	156	38	2		2
ABERDEEN	316	2	46	113	92	50	12			1
ISLAND	792	1	84	296	243	118	46	4		
OAK HARBOR	287		42	116	83	35	9	2		
JEFFERSON	236		23	69	77	45	20	2		
KING	18,860	23	1,423	4,960	6,613	4,414	1,250	149	6	22
AUBURN	533		80	222	159	60	10	2		
BELLEVUE	899		37	230	307	233	74	14	2	2
KENT	481	1	57	176	153	73	20	1		
KIRKLAND	352	1	18	84	137	87	23	1		1
MERCER ISLAND	174		1	24	53	71	23	2		
REDMOND	408		20	68	170	120	28	1		1
RENTON	593	2	47	215	213	95	19	2		
SEATTLE	6,779	12	577	1,661	2,185	1,728	561	52	2	1
KITSAP	2,673		274	905	890	457	131	15	1	
BREMERTON	868		128	378	247	106	25	4		
KITTITAS	325		26	102	101	70	25	1		
ELLENSBURG	146		10	60	35	34	7			
KLICKITAT	276		43	96	86	34	10	7		
LEWIS	971	1	177	366	280	105	41	1		
CENTRALIA	240	1	59	97	61	19	3			
LINCOLN	139		7	39	55	27	10		1	
MASON	510		76	179	145	90	20			
OKANOGAN	625	2	105	210	190	100	15	3		
PACIFIC	262		39	85	81	47	9	1		
PEND OREILLE	132		16	53	39	12	7	5		
PIERCE	9,484	16	1,167	3,600	3,030	1,340	281	44	4	2
PUYALLUP	335	1	35	129	110	45	14	1		
TACOMA	3,265	9	458	1,226	1,014	466	77	12	3	
SAN JUAN	102		1	21	42	25	11	1	1	
SKAGIT	1,089		121	365	363	186	44	10		
MOUNT VERNON	274		38	96	99	31	8	2		
SKAMANIA	111	1	16	38	34	18	4			
SNOHOMISH	6,003	3	535	1,916	2,139	1,106	268	33	1	2
EDMONDS	454		33	138	150	107	23	2		1
EVERETT	1,197	2	151	451	377	165	46	4	1	
LYNNWOOD	519		51	178	182	85	20	3		
MOUNTLAKE TERRACE	234		14	72	90	47	10	1		
SPOKANE	5,607	7	620	1,934	1,873	911	227	32	3	
SPOKANE	2,911	5	349	1,010	960	474	94	16	3	
STEVENS	535		69	194	178	77	14	3		
THURSTON	2,185		238	672	763	411	89	12		
LACEY	283		30	102	93	48	9	1		
OLYMPIA	664		73	210	228	120	27	6		
WAHKIAKUM	35		2	19	6	5	3			
WALLA WALLA	720		81	251	240	101	44	2	1	
WALLA WALLA	436		50	147	152	62	24		1	
WHATCOM	1,666	1	144	503	500	353	77	6	2	
BELLINGHAM	621	1	53	191	213	129	32	2		
WHITMAN	492	1	19	159	219	70	26	3		1
PULLMAN	236	1	3	72	101	37	20	1		
YAKIMA	3,359	13	579	1,148	985	482	136	14	2	
YAKIMA	972	2	182	326	305	123	30	4		

TABLE 7

LIVEBIRTHS BY MONTH BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY AND CITY	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
STATE TOTALS	69,529	5,588	5,200	6,170	5,790	6,096	6,061	6,037	6,037	5,811	5,735	5,486	5,518
ADAMS	293	27	24	29	16	22	20	23	22	31	24	28	27
ASOTIN	280	28	19	32	25	28	21	18	23	15	29	22	28
BENTON	2,162	203	186	180	177	208	178	180	193	178	161	155	163
KENNEWICK	943	83	81	71	75	102	77	80	86	77	77	69	65
RICHLAND	523	48	51	46	46	43	39	50	42	45	39	33	41
CHELAN	771	61	52	75	60	58	72	77	77	60	67	63	69
WENATCHEE	324	34	20	28	21	31	30	27	31	30	20	21	31
CLALLAM	769	49	52	69	54	73	72	67	71	68	74	70	68
PORT ANGELES	284	17	21	37	17	26	29	14	32	21	24	27	19
CLARK	3,289	274	244	312	287	253	298	259	302	283	271	244	262
VANCOUVER	1,216	97	80	125	118	89	108	87	102	110	115	90	95
COLUMBIA	66	3	3	10	12	8		5	4	10	4	1	6
COWLITZ	1,242	115	86	98	122	91	110	98	110	101	104	98	109
KELSO	207	23	15	22	17	15	27	15	15	16	10	11	21
LONGVIEW	507	43	37	37	44	41	43	49	47	43	43	40	40
DOUGLAS	378	27	31	40	27	30	28	39	31	38	30	26	31
FERRY	104	6	11	13	10	8	7	9	10	12	9	4	5
FRANKLIN	937	77	68	94	78	84	86	89	81	73	60	86	61
PASCO	576	52	36	61	47	48	52	55	50	48	40	54	33
GARFIELD	42	3	2	3	7	2	2	2	4	5	2	2	8
GRANT	892	65	54	81	71	77	68	79	84	94	85	68	66
MOSES LAKE	237	22	20	23	19	17	14	22	19	27	24	13	17
GRAYS HARBOR	1,115	74	92	87	86	112	87	106	88	100	94	90	99
ABERDEEN	316	13	23	21	29	40	26	28	17	35	29	22	33
ISLAND	792	67	61	81	76	66	54	70	71	60	61	54	71
OAK HARBOR	287	23	20	25	18	29	24	30	29	21	23	23	22
JEFFERSON	236	29	21	22	20	15	27	11	20	21	16	15	19
KING	18,860	1,511	1,372	1,715	1,535	1,613	1,673	1,726	1,629	1,582	1,560	1,413	1,531
AUBURN	533	31	48	54	42	46	41	51	46	37	57	35	45
BELLEVUE	899	75	62	81	71	70	72	81	66	83	87	75	76
KENT	481	50	21	61	41	44	42	40	36	35	32	37	42
KIRKLAND	352	30	22	25	39	29	33	25	27	27	38	25	32
MERCER ISLAND	174	17	13	17	19	14	10	11	13	10	20	16	14
REDMOND	408	36	20	33	29	33	35	36	41	47	29	37	32
RENTON	593	44	49	59	44	43	52	40	53	60	54	44	51
SEATTLE	6,779	561	486	639	560	559	584	625	603	566	556	501	539
KITSAP	2,673	202	205	275	181	229	209	220	233	235	237	223	224
BREMERTON	888	68	64	86	63	57	60	84	75	90	93	66	82
KITTITAS	325	19	24	21	22	30	26	37	28	22	40	28	28
ELLENSBURG	146	10	10	12	8	9	18	16	10	11	17	11	14
KLICKITAT	276	31	17	26	25	26	16	22	17	26	26	21	23
LEWIS	971	92	75	69	81	97	86	82	88	72	79	64	86
CENTRALIA	240	26	16	16	16	20	21	19	27	19	21	18	21
LINCOLN	139	11	9	13	12	16	10	13	11	8	15	12	9
MASON	510	45	50	39	45	58	32	49	50	33	37	35	37
OKANOGAN	625	44	45	63	48	67	58	48	50	46	47	54	55
PACIFIC	262	24	20	27	17	17	16	26	20	24	23	25	23
PEND OREILLE	132	8	10	6	9	9	20	16	15	7	11	13	8
PIERCE	9,484	746	709	835	787	820	821	774	859	814	755	782	782
PUYALLUP	335	25	33	27	26	23	32	29	35	21	27	26	31
TACOMA	3,265	274	262	270	253	305	291	265	283	287	249	265	261
SAN JUAN	102	10	12	13	11	1	8	10	7	9	8	6	7
SKAGIT	1,089	75	97	102	89	89	96	109	99	75	101	79	78
MOUNT VERNON	274	20	26	22	26	17	32	28	25	20	24	20	14
SKAMANIA	111	11	7	11	11	12	11	9	9	6	5	11	8
SNOHOMISH	6,003	477	436	497	545	569	527	515	498	477	488	491	483
EDMONDS	454	33	28	38	34	49	52	27	38	40	43	36	36
EVERETT	1,197	92	104	99	108	117	103	113	92	98	93	93	85
LYNNWOOD	519	43	39	42	54	31	62	41	43	43	42	39	40
MOUNTLAKE TERRACE	234	24	24	16	25	19	20	16	17	19	12	19	23
SPOKANE	5,607	465	400	470	500	511	537	464	464	452	470	455	419
SPOKANE	2,911	250	220	239	241	271	254	238	238	223	250	242	245
STEVENS	535	40	41	47	54	41	55	47	49	38	38	48	37
THURSTON	2,185	159	169	172	175	192	202	189	210	195	179	187	156
LACEY	283	20	28	24	22	24	24	20	28	22	23	29	19
OLYMPIA	664	39	53	50	54	59	74	48	76	61	59	47	44
WAHKIAKUM	35	4	3	1	3	8	3	3	1	1	2	2	4
WALLA WALLA	720	48	66	67	65	51	64	53	57	71	67	69	52
WALLA WALLA	436	24	28	31	47	33	40	30	36	54	41	39	33
WHATCOM	1,666	141	114	130	117	164	137	166	137	136	140	145	139
BELLINGHAM	621	52	52	46	39	62	47	71	39	59	52	58	44
WHITMAN	492	47	32	43	47	38	45	41	38	41	35	54	31
PULLMAN	236	28	14	29	19	23	19	15	13	20	18	19	18
YAKIMA	3,359	270	281	302	283	303	279	286	277	292	291	253	242
YAKIMA	972	79	88	70	82	81	81	82	90	86	81	79	73

TABLE 8

LIVEBIRTHS BY INSTITUTIONS BY PLACE OF OCCURRENCE, WASHINGTON STATE 1982

COUNTY AND CITY	TOTAL	GENERAL HOSPITAL	FEDERAL FACILITIES	HOME	BIRTH CENTER	BORN ON ARRIVAL	OTHER AND NOT STATED
STATE TOTALS	68,988	62,527	4,169	1,156	719	52	365
ADAMS	277	273					4
ASOTIN	97	97					
BENTON	2,635	2,603		16	10	6	
KENNEWICK	799	780		8	10	1	
RICHLAND	1,580	1,571		4		5	
CHELAN	1,217	1,203		14			
WENATCHEE	1,040	1,037		3			
CLALLAM	776	749		23			4
PORT ANGELES	646	634		12			
CLARK	2,388	2,322		64		2	
VANCOUVER	2,365	2,321		42		2	
COLUMBIA	49	49					
COWLITZ	1,388	1,382		5		1	
KELSO	2			2			
LONGVIEW	1,384	1,382		1		1	
DOUGLAS	1			1			
FERRY	49	44		2			3
FRANKLIN	465	457		8			
PASCO	463	457		6			
GARFIELD	32	32					
GRANT	689	676		12		1	
MOSES LAKE	521	516		4		1	
GRAYS HARBOR	790	777		9			4
ABERDEEN	682	676		3			3
ISLAND	683	263	400	18		1	1
OAK HARBOR	401		400			1	
JEFFERSON	182	172		9		1	
KING	20,819	20,040		357	248	22	152
AUBURN	575	566		8		1	
BELLEVUE	2,036	2,016		16		2	2
KENT	22			21			1
KIRKLAND	1,018	996		21		1	
MERCER ISLAND	3			3			
REDMOND	1,911	1,893		16		2	
RENTON	2,061	2,045		14			2
SEATTLE	12,817	12,215		199	247	15	141
KITSAP	2,312	1,541	702	49	1	1	18
BREMERTON	2,257	1,540	702	14		1	
KITTITAS	273	257		4	1		11
ELLENSBURG	260	257		3			
KLICKITAT	228	202		5	21		
LEWIS	925	902		5		1	17
CENTRALIA	460	458		1		1	
LINCOLN	65	62		3			
MASON	248	227		21			
OKANOGAN	605	564		29	3		9
PACIFIC	144	141		3			
PEND OREILLE	107	95		7	1		4
PIERCE	10,136	7,240	2,681	109	11	7	88
PUYALLUP	1,246	1,241		5			
TACOMA	8,758	5,998	2,681	71	1	6	1
SAN JUAN	28			5			23
SKAGIT	1,382	1,185		22	173	1	1
MOUNT VERNON	913	736		4	173		1
SKAMANIA	2			2			
SNOHOMISH	4,347	4,104		143	89	1	10
EDMONDS	1,654	1,562		15	84		3
EVERETT	2,111	2,069		41		1	
LYNNWOOD	18			10	5		3
MOUNTLAKE TERRACE	3			3			
SPOKANE	6,396	5,782	386	58	161	3	6
SPOKANE	5,946	5,736		44	161	2	3
STEVENS	395	374		21			
THURSTON	2,346	2,302		42		2	
LACEY	7			7			
OLYMPIA	2,334	2,302		30		2	
WAHKIAKUM	1			1			
WALLA WALLA	1,001	984		17			
WALLA WALLA	993	984		9			
WHATCOM	1,563	1,507		55			1
BELLINGHAM	1,534	1,507		27			
WHITMAN	545	536		3			7
PULLMAN	451	450		1			
YAKIMA	3,402	3,384		14		2	2
YAKIMA	2,430	2,424		5		1	

TABLE 9

LIVEBIRTHS BY BIRTHWEIGHT IN GRAMS BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY AND CITY	TOTAL	1000 OR LESS	1001-1500	1501-2000	2001-2500	2501-3000	3001-3500	3501-4000	4001-4500	4501 AND OVER	NOT STATED
STATE TOTALS	69,529	278	298	731	2,214	8,985	24,474	22,608	8,002	1,865	74
ADAMS	293	2			3	39	108	98	35	8	
ASOTIN	289	4	2	5	11	28	88	99	34	9	
BENTON	2,162	5	12	17	59	279	721	733	276	58	2
KENNEWICK	943	1	7	10	29	135	327	307	101	26	
RICHLAND	523	2	2	1	11	66	169	176	74	20	2
CHELAN	771	3	2	4	35	103	261	251	86	24	2
WENATCHEE	324	1		4	16	46	105	113	31	7	1
CLALLAM	769	1	3	10	24	90	241	278	105	17	
PORT ANGELES	284			7	13	33	83	108	34	6	
CLARK	3,289	19	12	41	108	394	1,130	1,086	397	96	6
VANCOUVER	1,216	10	4	14	56	180	433	364	126	26	3
COLUMBIA	66			1	2	7	20	28	7	1	
COWLITZ	1,242	4	4	14	45	145	448	412	135	34	1
KELSO	287	2		2	11	24	75	60	28	5	
LONGVIEW	507	1	2	8	17	61	178	171	50	18	1
DOUGLAS	378	1	2	5	9	36	152	112	52	9	
FERRY	104	2			4	17	36	30	11	4	
FRANKLIN	937	6	4	9	26	113	334	312	106	27	
PASCO	576	6	3	8	21	69	205	189	58	17	
GARFIELD	42				1	4	15	15	5	2	
GRANT	892	4	4	10	33	110	348	275	96	19	1
MOSES LAKE	237		1	2	10	34	83	79	25	3	
GRAYS HARBOR	1,115	4	6	15	43	141	385	359	131	31	
ABERDEEN	316		2	6	19	40	101	96	38	14	
ISLAND	792	1		10	18	93	281	269	90	30	
OAK HARBOR	287	1		3	5	29	100	107	33	9	
JEFFERSON	236	3		2	6	20	71	92	36	5	1
KING	18,860	70	85	192	615	2,510	6,665	6,031	2,151	521	20
AUBURN	533	1	3	9	21	61	197	155	68	17	1
BELLEVUE	899	6	4	6	22	104	317	301	115	23	1
KENT	481	1	2	8	16	60	175	155	55	9	
KIRKLAND	352	1		1	7	41	125	115	46	16	
MERCER ISLAND	174			5	5	20	66	47	25	6	
REDMOND	408	2		1	8	46	134	142	66	9	
RENTON	593	1	3	7	34	88	202	185	61	12	
SEATTLE	6,779	33	36	90	259	974	2,526	1,989	686	171	15
KITSAP	2,673	11	10	24	81	329	896	884	347	89	2
BREMERTON	888	3	3	13	23	119	287	301	113	25	1
KITTITAS	325		2	1	9	37	108	115	38	15	
ELLENSBURG	146				4	17	48	53	20	4	
KLICKITAT	276	1		2	10	35	90	96	34	8	
LEWIS	971	5		12	31	118	348	310	126	21	
CENTRALIA	240			4	8	31	84	83	28	2	
LINCOLN	139	1		1	6	19	47	43	19	3	
MASON	510	5	1	6	7	71	163	167	70	18	2
OKANOGAN	625	2	1	10	21	75	240	202	59	12	3
PACIFIC	262			4	6	32	94	82	37	7	
PEND OREILLE	132		1	2	6	17	43	43	18	2	
PIERCE	9,484	36	44	124	363	1,375	3,517	2,865	979	178	3
PUYALLUP	335	2	3	4	13	40	117	106	42	8	
TACOMA	3,265	13	18	44	140	529	1,229	939	298	54	1
SAN JUAN	102			1	7	6	36	39	11	1	1
SKAGIT	1,089	2	3	11	37	120	370	378	133	35	
MOUNT VERNON	274	2	3	2	6	35	106	94	20	6	
SKAMANIA	111				3	9	37	43	13	6	
SNOHOMISH	6,003	26	26	66	142	706	2,077	1,969	767	210	14
EDMONDS	454	2	2	5	13	59	148	161	63	10	
EVERETT	1,197	10	7	13	28	161	423	373	138	41	3
LYNNWOOD	519	3	3	9	19	67	185	167	56	9	1
MOUNTLAKE TERRACE	234	1		4	6	26	84	79	25	9	
SPOKANE	5,607	27	32	65	182	718	1,956	1,884	614	126	3
SPOKANE	2,911	10	17	36	101	390	1,016	978	293	70	
STEVENS	535	3	4	3	14	54	204	189	54	10	
THURSTON	2,185	8	7	22	64	275	740	718	279	68	4
LACEY	283			4	9	44	94	86	37	9	
OLYMPIA	664	2		4	24	80	238	215	84	16	1
WAHKIAKUM	35					4	9	16	6		
WALLA WALLA	720	1	5	6	22	98	279	224	67	18	
WALLA WALLA	436		4	3	13	66	168	141	32	9	
WHATCOM	1,666	9	8	7	39	205	531	584	220	55	8
BELLINGHAM	621	8	5	5	14	81	202	207	80	17	2
WHITMAN	492	1	4		12	49	188	180	45	13	
PULLMAN	236		1		8	25	98	76	21	6	
YAKIMA	3,359	11	14	29	110	504	1,205	1,097	313	75	1
YAKIMA	972	4	5	12	39	147	361	304	79	21	

TABLE 10

LIVEBIRTHS BY RACE BY BIRTHWEIGHT, WASHINGTON STATE 1982

BIRTHWEIGHT IN GRAMS	TOTAL	WHITE	BLACK	MEXICAN/ CHICANO	INDIAN	JAPAN- ESE	CHIN- ESE	FILIP- INO	OTHER ASIAN	OTHER	UNKNOWN
STATE TOTAL	69,529	58,553	3,146	2,380	1,618	404	325	666	2,270	12	155
1,000 AND UNDER	278	223	22	7	7	2		1	8		8
1,001 - 1,500	298	242	28	6	6	1	3	2	9		1
1,501 - 2,000	731	578	79	17	18		2	5	30		2
2,001 - 2,500	2,214	1,695	191	90	62	15	9	39	106	3	4
2,501 - 3,000	8,985	7,035	609	364	221	70	56	132	480		18
3,001 - 3,500	24,474	20,181	1,262	902	550	165	156	278	924	6	50
3,501 - 4,000	22,608	19,680	734	741	505	118	78	152	549	2	49
4,001 - 4,500	8,002	7,171	180	203	204	29	16	46	137	1	15
4,501 AND OVER	1,865	1,693	34	49	43	4	5	10	23		4
NOT STATED	74	55	7	1	2			1	4		4

TABLE 11

LIVEBIRTHS BY MOTHER'S AGE BY BIRTHWEIGHT, WASHINGTON STATE 1982

BIRTHWEIGHT IN GRAMS	TOTAL	UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & OVER	AGE UNKNOWN
STATE TOTAL	69,529	93	7,452	22,431	23,234	12,550	3,287	423	25	34
1,000 AND UNDER	278	2	40	84	84	50	16	1		1
1,001 - 1,500	298	1	42	94	96	37	23	5		
1,501 - 2,000	731	1	95	244	213	132	38	6	1	1
2,001 - 2,500	2,214	7	314	795	629	329	121	16	2	1
2,501 - 3,000	8,985	18	1,236	3,141	2,769	1,400	374	42	3	2
3,001 - 3,500	24,474	31	2,866	8,219	7,992	4,172	1,014	159	10	11
3,501 - 4,000	22,608	26	2,190	7,174	7,842	4,196	1,055	111	3	11
4,001 - 4,500	8,002	7	563	2,242	2,893	1,738	488	59	6	6
4,501 AND OVER	1,865		97	420	689	483	153	23		
NOT STATED	74		9	18	27	13	5	1		1

TABLE 12

MULTIPLE LIVEBIRTHS AND IMMATURE LIVEBIRTHS BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY & CITY	SETS OF TWINS	SETS OF TRIPLETS	SETS OF QUADRUPLETS	2500 GRAMS AND UNDER
STATE TOTALS	699	14	1	3,521
ADAMS	2			5
ASOTIN	2			22
BENTON	18			93
KENNEWICK	6			47
RICHLAND	5			16
CHELAN	10			44
WENATCHEE	2			21
CLALLAM	8			38
PORT ANGELES	4			20
CLARK	34	2		180
VANCOUVER	12	2		84
COLUMBIA				3
COWLITZ	13	1		67
KELSO	3			15
LONGVIEW	3	1		28
DOUGLAS	2			17
FERRY	2			6
FRANKLIN	12			45
PASCO	8			38
GARFIELD				1
GRANT	7			51
MOSES LAKE	2			13
GRAYS HARBOR	13			68
ABERDEEN	5			27
ISLAND	7			29
OAK HARBOR	2			9
JEFFERSON	4			11
KING	199	1		962
AUBURN	6	1		34
BELLEVUE	3			38
KENT	5			27
KIRKLAND	1			9
MERCER ISLAND	3			10
REDMOND	6			11
RENTON	5			45
SEATTLE	74			418
KITSAP	37	1		126
BREMERTON	11	1		42
KITTITAS	5			12
ELLENSBURG	3			4
KLICKITAT	4			13
LEWIS	7			48
CENTRALIA	2			12
LINCOLN	3			8
MASON	5			19
OKANOGAN	8	1		34
PACIFIC	3			10
PEND OREILLE	1			9
PIERCE	80			567
PUYALLUP	2			22
TACOMA	31			215
SAN JUAN	2			8
SKAGIT	17			53
MOUNT VERNON	3			13
SKAMANIA				3
SNOHOMISH	50	3		260
EDMONDS	3			24
EVERETT	6	1		58
LYNNWOOD	2			34
MOUNTLAKE TERRACE	3			11
SPOKANE	53	1	1	306
SPOKANE	26	1		164
STEVENS	7			24
THURSTON	17	1		101
LACEY				13
OLYMPIA	4			30
WAHKIAKUM				
WALLA WALLA	11	1		34
WALLA WALLA	7	1		20
WHATCOM	20	1		63
BELLINGHAM	6	1		32
WHITMAN	7			17
PULLMAN	1			9
YAKIMA	33	1		164
YAKIMA	8	1		60

TABLE 13

LIVEBIRTHS BY INFANT DEATHS* BY MOTHER'S AGE GROUP BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY AND CITY	TOTAL	UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	AGE UNKNOWN
STATE TOTAL	793	4	122	249	184	111	31	10		82
ADAMS	3			1	1	1				
ASOTIN	1					1				
BENTON	13		2	3	3	4	1			
KENNEWICK	6		1	2	2	1				
RICHLAND	6		1		1	3	1			
CHELAN	13		5	2	2	2	1	1		
WENATCHEE	5		2	1	1		1			
CLALLAM	6		2	1	3					
PORT ANGELES	3		2		1					
CLARK	29		8	12	3	6				
VANCOUVER	13		4	5	2	2				
COLUMBIA	1		1							
COWLITZ	14		3	6	2	1	1			1
KELSO	4		2	1						1
LONGVIEW	7		1	3	1	1	1			
DOUGLAS	6			3	1	2				
FERRY	2		1				1			
FRANKLIN	13		2	5	4	2				
PASCO	11		2	4	3	2				
GARFIELD										
GRANT	8		3	2	2	1				
MOSES LAKE										
GRAYS HARBOR	14		3	7	3		1			
ABERDEEN	4			3	1					
ISLAND	3			1	2					
OAK HARBOR										
JEFFERSON	4				1	3				
KING	165	1	20	52	42	33	11	5		1
AUBURN	8			7				1		
BELLEVUE	9		1	2	3	2		1		
KENT	1			1						
KIRKLAND	1				1					
MERCER ISLAND	1					1				
REDMOND	3				2		1			
RENTON	6		1	3	1	1				
SEATTLE	70		6	22	15	17	9	1		
KITSAP	29		3	13	6	6	1			
BREMERTON	6		1	3		1	1			
KITTITAS	1						1			
ELLENSBURG										
KLICKITAT	4			2	2					
LEWIS	14		1	9	2	1	1			
CENTRALIA	1			1						
LINCOLN	1				1					
MASON	7		2	1	2	1	1			
OKANOGAN	6			3	2	1				
PACIFIC	3		1	2						
PEND OREILLE	2		1		1					
PIERCE	113		16	48	38	10				
PUYALLUP	6		2		3	1				1
TACOMA	40		7	17	14	2				
SAN JUAN	1				1					
SKAGIT	8		2	3	2	1				
MOUNT VERNON	4			2	1	1				
SKAMANIA										
SNOHOMISH	56		15	14	12	9	5	1		
EDMONDS	3		1			2				
EVERETT	15		3	5	2	1	4			
LYNNWOOD	3		1	1	1					
MOUNTLAKE TERRACE	3		1	1		1				
SPOKANE	69	2	10	24	19	11	3			
SPOKANE (CITY)	37	2	8	14	5	6	2			
STEVENS	9		1	2	4	2				
THURSTON	14		4	4	4	1		1		
LACEY										
OLYMPIA	5		2	1	2					
WAHKIAKUM										
WALLA WALLA	4		2	1	1					
WALLA WALLA (CITY)	3		2		1					
WHATCOM	17	1	3	4	5	2	2			
BELLINGHAM	7	1		1	2	1	2			
WHITMAN	2			1		1				
PULLMAN										
YAKIMA	38		7	14	11	4	1	1		
YAKIMA (CITY)	12		3	4	4	1				

*DATA ARE FOR DEATHS OF INFANTS BORN IN 1982. THUS, THE TOTALS DO NOT AGREE WITH DEATH DATA PRESENTED IN THE MORTALITY SECTION, WHICH ARE FOR INFANTS DYING IN 1982.

MORTALITY

TABLE 1

DEATHS IN WASHINGTON STATE BY SELECTED TOPICS, 1982

A. RESIDENCE, RACE BY SEX

	TOTAL	MALE	FEMALE	UNK
Total	32,309	17,277	15,031	1
White	30,793	16,355	14,438	
Black	601	357	243	1
Indian	349	200	149	
Mexican/ Chicano	157	107	50	
Japanese	116	57	59	
Chinese	68	39	29	
Filipino	91	76	15	
Other Asian	89	52	37	
Other	1	1		
Unknown	44	33	11	

B. RESIDENCE, MARITAL STATUS BY SEX

	TOTAL	MALE	FEMALE	UNK
Total	32,309	17,277	15,031	1
Single	3,605	2,377	1,228	
Married	14,777	10,312	4,465	
Divorced	2,892	1,761	1,130	1
Widowed	10,927	2,748	8,179	
Not Stated	108	79	29	

C. RESIDENCE, AGE GROUP BY SEX

	TOTAL	MALE	FEMALE	UNK
Total	32,309	17,277	15,031	1
Under 1	744	440	304	
1 - 4	140	80	60	
5 - 14	164	100	64	
15 - 24	683	494	189	
25 - 34	825	569	256	
35 - 44	914	593	321	
45 - 54	1,811	1,118	693	
55 - 64	4,409	2,714	1,695	
65 - 74	7,624	4,581	3,043	
75 - 84	8,333	4,215	4,117	1
85 - 94	5,716	2,108	3,608	
95 & Over	943	263	680	
Unknown	3	2	1	

D. RESIDENCE, INFANT DEATHS BY RACE

Total	744
White	612
Black	53
Indian	23
Mexican/Chicano	31
Japanese	1
Filipino	3
Other Asian	21

TABLE 1 (Continued)

DEATHS IN WASHINGTON STATE BY SELECTED TOPICS, 1982

E. RESIDENCE, BY LEADING CAUSES

		International List Number	Number of Deaths	Percent of Total Deaths
	Total		32,309	100.0*
1	Diseases of the Heart	391-392.0,,393-398, 402,404,410-417, 420-429	11,656	36.1
2	Malignant Neoplasms	140-208	7,359	22.8
3	Cerebrovascular Disease	430-438	2,650	8.2
4	All Accidents	E800-E949	1,771	5.5
5	Influenza and Pneumonia	480-487	906	2.8
6	Suicide	E950-E959	570	1.8
7	Diabetes Mellitus	250	566	1.8
8	Arteriosclerosis	440	486	1.5
9	Cirrhosis of Liver	571	467	1.4
10.	Bronchitis, Emphysema, Asthma	466, 490-493	463	1.4
	All OTHER CAUSES		5,415	16.8

F. RESIDENCE AND OCCURRENCE, BY MONTH

	Residence	Occurrence
Total	32,309	32,534
January	2,847	2,855
February	2,470	2,480
March	2,794	2,814
April	2,815	2,829
May	2,862	2,900
June	2,650	2,664
July	2,663	2,673
August	2,495	2,527
September	2,529	2,538
October	2,599	2,643
November	2,678	2,686
December	2,907	2,925

G. TYPE OF PLACE BY OCCURRENCE

Total	32,534
General Hospital	16,285
Nursing Home	7,254
Home	6,174
Federal Facility	1,161
Psychiatric Hospital	46
State Facility	7
Dead on Arrival	72
Other and Not Stated	1,535

*Detail may not add to 100% due to rounding.

TABLE 2

DEATH WITH RATES* BY PLACE OF RESIDENCE AND OCCURRENCE, WASHINGTON STATE 1982

	RESIDENCE		OCCURRENCE	
	TOTAL	RATE	TOTAL	RATE
STATE TOTAL	32,309	7.6	32,534	7.6
ADAMS	110	8.4	94	7.2
ASOTIN	166	9.8	158	9.3
BENTON	546	4.9	533	4.8
KENNEWICK	214	6.1	218	6.2
RICHLAND	186	5.5	244	7.3
CHELAN	484	10.6	580	12.7
WENATCHEE	249	14.5	429	25.1
CLALLAM	464	8.9	427	8.2
PORT ANGELES	183	10.6	302	17.5
CLARK	1,376	6.9	1,333	6.7
VANCOUVER	615	14.3	1,149	26.8
COLUMBIA	50	12.5	45	11.3
COWLITZ	648	8.2	666	8.4
KELSO	134	12.1	39	3.6
LONGVIEW	314	10.1	565	18.3
DOUGLAS	148	6.6	56	2.5
FERRY	39	6.4	26	4.3
FRANKLIN	209	5.8	164	4.5
PASCO	158	8.3	154	8.1
GARFIELD	31	12.9	29	12.1
GRANT	369	7.6	297	6.1
MOSES LAKE	84	8.1	122	11.8
GRAYS HARBOR	620	9.8	581	8.8
ABERDEEN	181	9.8	375	20.2
ISLAND	273	5.9	186	4.0
OAK HARBOR	47	3.8	54	4.4
JEFFERSON	168	9.9	141	8.3
KING	9,746	7.4	10,513	8.0
AUBURN	223	7.7	293	10.1
BELLEVUE	441	5.9	461	6.2
KENT	145	6.1	98	4.1
KIRKLAND	175	9.1	401	20.8
MERCER ISLAND	104	4.9	64	3.0
REDMOND	132	5.2	225	8.9
RENTON	275	8.3	521	15.7
SEATTLE	5,306	10.8	7,736	15.7
KITSAP	1,109	7.0	1,039	6.6
BREMERTON	389	11.0	705	19.9
KITTITAS	172	6.9	151	6.0
ELLENSBURG	83	7.0	117	9.9
KLICKITAT	142	10.0	121	7.5
LEWIS	559	9.9	481	8.5
CENTRALIA	183	15.5	227	19.2
LINCOLN	125	12.8	93	9.7
MASON	276	8.4	202	6.2
OKANOGAN	300	9.7	249	8.0
PACIFIC	211	11.9	171	9.7
PEND OREILLE	98	11.1	96	10.9
PIERCE	3,618	7.2	3,727	7.4
PUYALLUP	182	9.8	526	28.3
TACOMA	1,706	10.7	2,893	18.1
SAN JUAN	63	7.4	42	4.9
SKAGIT	614	9.4	656	10.0
MOUNT VERNON	133	9.8	261	19.2
SKAMANIA	36	4.5	22	2.8
SNOHOMISH	2,365	6.6	2,089	5.9
EDMONDS	257	9.4	401	14.6
EVERETT	637	11.2	995	17.5
LYNNWOOD	143	6.1	86	3.7
MOUNTLAKE TERRACE	74	4.6	22	1.4
SPOKANE	2,872	8.3	3,407	9.8
SPOKANE (CITY)	1,926	11.2	3,211	18.7
STEVENS	248	8.4	171	5.8
THURSTON	940	7.2	908	6.9
LACEY	154	10.9	109	7.7
OLYMPIA	328	11.8	705	25.5
WAHKIAKUM	29	7.6	17	4.5
WALLA WALLA	391	8.1	540	11.2
WALLA WALLA (CITY)	271	10.6	493	19.3
WHATCOM	887	8.0	859	7.7
BELLINGHAM	466	10.1	683	14.9
WHITMAN	235	5.8	184	4.6
PULLMAN	50	2.2	72	3.1
YAKIMA	1,524	8.7	1,480	8.4
YAKIMA (CITY)	605	12.1	1,066	21.4

*RATES PER 1,000 POPULATION

TABLE 3

DEATHS BY SEX AND RACE BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY AND CITY	TOTAL	MALE	FEMALE	UNK	WHITE	BLACK	MEXI-CAN	INDIAN	JAP-ANESE	CHI-NESE	FILI-PINO	OTHER ASIAN	OTHER	UNK
STATE TOTAL	32,309	17,277	15,031	1	30,793	601	157	349	116	68	91	89	1	44
ADAMS	110	54	56		106	1	3							
ASOTIN	166	85	81		166									
BENTON	546	297	249		536	2	4	1			1	2		
KENNEWICK	214	125	89		207	1	3	1				2		
RICHLAND	185	93	92		183	1					1			
CHELAN	484	256	228		478		3		2					1
WENATCHEE	249	124	125		248		1							
CLALLAM	464	273	191		448		1		14					1
PORT ANGELES	183	95	88		181				1					1
CLARK	1,376	765	611		1,358	9	1		2		1	1	2	2
VANCOUVER	615	325	290		601	9	1				1	1	2	
COLUMBIA	50	26	24		49									1
COWLITZ	648	379	269		641	1	1	2				3		
KELSO	134	86	48		133		1							
LONGVIEW	314	168	146		309	1		1				3		
DOUGLAS	148	82	66		148									
FERRY	39	27	12		31			8						
FRANKLIN	209	124	85		179	13	15	1		1				
PASCO	158	88	70		132	13	12			1				
GARFIELD	31	18	13		31									
GRANT	369	223	146		347	7	15							
MOSES LAKE	84	56	28		72	7	5							
GRAYS HARBOR	650	360	290		634	1		15						
ABERDEEN	181	95	86		180	1								
ISLAND	273	153	120		270	2		1						
OAK HARBOR	47	26	21		47									
JEFFERSON	168	101	67		163		1	4						
KING	9,746	4,991	4,754	1	9,054	359	17	59	83	55	70	42		7
AUBURN	223	119	104		218	1		2	2					
BELLEVUE	441	220	221		425	6			4	2		4		
KENT	145	78	67		143				2					
KIRKLAND	175	83	92		173						1			1
MERCER ISLAND	104	54	50		99	1			3			1		
REDMOND	132	62	70		130	1						1		
RENTON	275	147	128		263	2	2	1	1	2	2	2		
SEATTLE	5,306	2,656	2,649	1	4,720	326	9	47	65	48	58	29		4
KITSAP	1,109	615	494		1,082	14		5	1	2	3	2		
BREMERTON	389	208	181		377	9		1		2				
KITTITAS	172	90	82		172									
ELLENSBURG	83	39	44		83									
KLICKITAT	162	96	66		157			4	1					
LEWIS	559	302	257		555		1		1	1	1			
CENTRALIA	183	80	103		182					1				
LINCOLN	123	70	53		122			1						
MASON	276	143	133		265	1		8		1	1			
OKANOGAN	300	174	126		264	1	4	28						3
PACIFIC	211	120	91		210			1						
PEND OREILLE	98	61	37		95			2						1
PIERCE	3,618	1,965	1,653		3,421	130	2	23	12	1	4	23		2
PUYALLUP	182	83	99		181	1								
TACOMA	1,706	891	815		1,585	80	1	15	4	1	1	17		2
SAN JUAN	63	36	27		63									
SKAGIT	614	332	282		595		5	12						2
MOUNT VERNON	133	63	70		129		2	1						1
SKAMANIA	36	24	12		36									
SNOHOMISH	2,365	1,253	1,112		2,325	6	2	18	3	2	2	4		3
EDMONDS	257	122	135		254	1	1					1		
EVERETT	637	309	328		626	4		4		1		1		1
LYNNWOOD	143	84	59		140				1			1		1
MOUNTLAKE TERRACE	74	41	33		72		1		1					
SPOKANE	2,872	1,482	1,390		2,796	32	1	22	10		2	2		7
SPOKANE (CITY)	1926	989	937		1,868	29		17	8		1	1		2
STEVENS	248	138	110		228			20						
THURSTON	940	504	436		923	1		3		2	1	9		1
LACEY	154	61	93		149							5		
OLYMPIA	328	173	155		322	1				2	1	2		
WAHKIAKUM	29	15	14		28			1						
WALLA WALLA	391	195	196		383	2	4		2					
WALLA WALLA (CITY	271	136	135		268	2	1							
WHATCOM	887	466	421		848	2	1	25			2			9
BELLINGHAM	466	234	232		455	1		6			2			2
WHITMAN	235	130	105		234					1				
PULLMAN	50	23	27		49					1				
YAKIMA	1,524	852	672		1,362	17	76	67	3	1	3		1	4
YAKIMA (CITY)	608	329	276		580	13	8	1						3

TABLE 4

DEATHS BY AGE GROUP BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY AND CITY	TOTAL	UNDER 1 YR	1-4 YRS	5-14 YRS	15-24 YRS	25-34 YRS	35-44 YRS	45-54 YRS	55-64 YRS	65-74 YRS	75-84 YRS	85 AND OVER	AGE UNKNOWN
STATE TOTAL	32,309	744	140	164	683	825	914	1,811	4,409	7,624	8,333	6,659	3
ADAMS	110	4			2	2	3	3	10	25	34	27	
ASOTIN	166	5			5	2	5	6	14	32	52	45	
BENTON	546	14	2	2	10	16	21	31	76	159	119	96	
KENNEWICK	214	6	2	2	4	11	4	16	31	68	44	26	
RICHLAND	185	5			2	3	6	9	24	52	39	45	
CHELAN	484	16			11	14	10	18	68	108	140	99	
WENATCHEE	249	6			5	5	3	4	38	58	74	56	
CLALLAM	464	8	1	2	11	9	13	22	63	130	127	78	
PORT ANGELES	183	3		1	3	4	3	10	22	30	66	41	
CLARK	1,376	46	3	6	28	30	48	91	186	346	377	215	
VANCOUVER	615	20	1		6	10	18	32	80	165	179	104	
COLUMBIA	50	1						2	2	14	16	15	
COWLITZ.	648	15	5	3	12	14	16	33	90	160	179	121	
KELSO	134	4	1	1	3	3	3	4	21	43	30	21	
LONGVIEW	314	8	4	1	3	5	10	18	37	65	93	70	
DOUGLAS	148	5	1	1	1	3	2	8	17	39	45	26	
FERRY	39	3	1			2			6	13	7	7	
FRANKLIN	209	13	4	2	10	2	9	7	29	47	55	31	
PASCO	158	10	3		4	2	9	4	22	33	47	24	
GARFIELD	31								2	7	12	10	
GRANT	369	8	6	5	13	4	10	23	63	105	87	45	
MOSES LAKE	84		1	1	4	1	3	7	16	26	17	8	
GRAYS HARBOR	650	13	2	3	10	10	15	39	96	164	162	136	
ABERDEEN	181	4	1		1		4	7	19	46	47	52	
ISLAND	273	3		1	7	8	5	13	47	74	73	42	
OAK HARBOR	47			1	3		2	2	8	11	13	7	
JEFFERSON	168	4	1		4	3	3	7	20	47	46	33	
KING	9,746	173	38	44	163	270	286	546	1,329	2,212	2,498	2,187	
AUBURN	223	9	1	2	2	5	7	9	30	55	59	44	
BELLEVUE	441	9	2	2	9	12	17	34	69	100	98	89	
KENT	145	5		3	4	8	7	14	17	25	44	18	
KIRKLAND	175	2		1	10	3	3	12	23	37	39	45	
MERCER ISLAND	104	1	1	2	3	7	5	5	19	13	33	15	
REDMOND	132	5			5	3	2	8	22	31	32	24	
RENTON	275	6	4		5	10	9	14	36	67	61	63	
SEATTLE	5,306	74	12	11	52	117	123	256	672	1,234	1,433	1,322	
KITSAP	1,109	28	4	7	23	36	32	53	177	242	288	219	
BREMERTON	389	8			7	8	11	18	63	79	119	76	
KITTITAS	172	2	1		4	3	2	7	20	45	45	43	
ELLENSBURG	83	1			2	1		2	6	26	21	24	
KLICKITAT	162	6	1	1	3	6	10	10	19	31	45	30	
LEWIS	559	12		1	9	8	15	28	67	131	152	136	
CENTRALIA	183	1			3	1	7	5	13	35	50	68	
LINCOLN	123	1		3		3	5	8	9	34	32	28	
MASON	276	7	1	2	6	6	4	19	45	66	65	55	
OKANOGAN	300	5	2	6	9	10	16	13	44	69	69	57	
PACIFIC	211	5	2		6	2	3	13	31	56	58	35	
PEND OREILLE	98	2		1	5	6	3	4	10	30	19	18	
PIERCE	3,618	118	19	16	83	109	98	222	513	868	944	636	
PUYALLUP	182	2	1		1	3	1	9	16	44	49	56	
TACOMA	1,706	41	8	8	36	48	43	88	210	389	480	355	
SAN JUAN	63	1			1	1	2	3	9	11	23	12	
SKAGIT	614	9		4	18	17	15	40	85	147	148	131	
MOUNT VERNON	133	3		1	4	4	3	7	18	32	35	26	
SKAMANIA	36				1			1	4	7	16	7	
SNOHOMISH	2,365	60	8	16	52	60	90	136	330	540	606	467	
EDMONDS	257	5		1	9	3	4	13	52	51	65	54	
EVERETT	637	17	4	2	6	8	17	29	78	138	181	157	
LYNNWOOD	143	4		1	8	4	9	5	21	36	32	23	
MOUNTLAKE TERRACE	74	3			2	3	2	14	11	19	10	10	
SPOKANE	2,872	72	12	21	63	59	68	154	396	644	726	654	3
SPOKANE (CITY)	1926	38	8	9	35	34	37	85	261	444	517	455	3
STEVENS	248	9	3	5	11	10	12	13	29	68	53	35	
THURSTON	940	15	3	1	22	22	36	63	133	209	244	192	
LACEY	154	2			3	2	5	5	15	25	48	49	
OLYMPIA	328	3			10	10	6	20	40	71	88	80	
WAHKIAKUM	29				1	3		1	1	4	13	6	
WALLA WALLA	391	3	4		5	5	5	20	45	92	117	95	
WALLA WALLA (CITY)	271	1	3		2	3	4	10	31	68	86	63	
WHATCOM	887	16	7	3	27	28	20	44	97	219	212	214	
BELLINGHAM	466	6		1	13	13	7	15	39	120	116	136	
WHITMAN	235	2	1	1	4	6	8	18	23	50	59	63	
PULLMAN	50	1			1	3	6	2	5	7	15	10	
YAKIMA	1,524	40	8	7	43	36	32	92	204	379	370	313	
YAKIMA (CITY)	605	11	2	1	9	5	11	26	76	157	152	155	

TABLE 5

DEATHS WITH RATES* BY SELECTED CAUSES BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY AND CITY	DISEASES OF THE HEART NUMBER	RATE	MALIGNANT NEOPLASMS NUMBER	RATE	CEREBROVASCULAR DISEASE NUMBER	RATE	GENERAL ARTERIOSCLEROSIS NUMBER	RATE
STATE TOTAL	11,656	273.4	7,359	172.6	2,650	62.1	486	11.4
ADAMS	49	374.0	20	152.7	9	68.7	2	15.3
ASOTIN	64	376.5	30	176.5	16	94.1	6	35.3
BENTON	161	144.1	147	131.6	37	33.1	9	8.1
KENNEWICK	53	149.9	59	166.9	12	33.9	2	5.7
RICHLAND	56	166.9	51	152.0	15	44.7	6	17.9
CHELAN	155	340.7	116	254.9	60	131.9	6	13.2
WENATCHEE	76	443.8	55	321.2	40	233.6	2	11.7
CLALLAM	182	349.3	120	230.3	30	57.6	3	5.8
PORT ANGELES	78	450.9	49	283.2	13	75.1		.0
CLARK	492	247.7	351	176.7	100	50.4	18	9.1
VANCOUVER	227	528.5	151	351.6	53	123.4	10	23.3
COLUMBIA	28	700.0	5	125.0	7	175.0	1	25.0
COWLITZ	263	330.8	131	164.8	50	62.9	9	11.3
KELSO	51	460.5	22	198.6	14	126.4	3	27.1
LONGVIEW	140	452.3	60	193.9	21	67.9	5	16.2
DOUGLAS	51	227.7	35	156.3	11	49.1	1	4.5
FERRY	11	180.3	7	114.8	3	49.2	1	16.4
FRANKLIN	75	207.2	41	113.3	18	49.7	1	2.8
PASCO	58	304.5	29	152.2	17	89.2		.0
GARFIELD	14	583.3	8	333.3	3	125.0	1	41.7
GRANT	126	259.3	88	181.1	25	51.4	5	10.3
MOSES LAKE	26	242.5	24	232.8	3	29.1	1	9.7
GRAYS HARBOR	289	437.2	139	210.3	58	87.7	6	9.1
ABERDEEN	83	447.4	39	210.2	19	102.4	2	10.8
ISLAND	96	208.7	78	169.6	21	45.7	7	15.2
OAK HARBOR	21	171.4	9	73.5	4	32.7	1	8.2
JEFFERSON	55	325.4	40	236.7	17	100.6		.0
KING	3,413	260.3	2,234	170.4	788	60.1	130	9.9
AUBURN	85	293.6	52	179.6	21	72.5	4	13.8
BELLEVUE	151	203.2	106	142.7	41	55.2	5	6.7
KENT	46	193.5	31	130.4	9	37.9	1	4.2
KIRKLAND	49	254.2	53	275.0	11	57.1	3	15.6
MERCER ISLAND	30	142.0	26	123.1	8	37.9	1	4.7
REDMOND	56	221.3	28	110.7	4	15.8		.0
RENTON	87	262.8	74	223.6	12	36.3	3	9.1
SEATTLE	1,924	391.1	1,148	233.3	450	91.5	64	13.0
KITSAP	428	270.0	257	162.1	90	56.8	10	6.3
BREMERTON	175	493.3	78	219.9	32	90.2	3	8.5
KITTITAS	58	231.1	40	159.4	17	67.7	2	8.0
ELLENSBURG	24	203.8	27	229.3	8	67.9		.0
KLICKITAT	53	327.2	32	197.5	14	86.4	5	30.9
LEWIS	202	358.2	123	218.1	56	99.3	15	26.6
CENTRALIA	70	593.2	36	305.1	20	169.5	9	76.3
LINCOLN	49	510.4	27	281.3	7	72.9	2	20.8
MASON	107	327.2	75	229.4	18	55.0	2	6.1
OKANOGAN	98	316.1	76	245.2	16	51.6	3	9.7
PACIFIC	76	429.4	45	254.2	7	39.5	6	33.9
PEND OREILLE	36	397.7	16	181.8	11	125.0	1	11.4
PIERCE	1,322	262.0	803	159.2	329	65.2	58	11.5
PUYALLUP	77	414.5	35	188.4	13	70.0	7	37.7
TACOMA	626	391.0	332	207.4	180	112.4	35	21.9
SAN JUAN	23	270.6	13	152.9	6	70.6	2	23.5
SKAGIT	236	359.8	135	205.8	44	67.1	9	13.7
MOUNT VERNON	56	411.0	29	212.8	14	102.8		.0
SKAMANIA	16	200.0	11	137.5	3	37.5		.0
SNOHOMISH	840	235.7	525	147.3	173	48.5	61	17.1
EDMONDS	100	365.0	59	215.3	18	65.7	5	18.2
EVERETT	224	395.1	144	254.0	47	82.9	33	58.2
LYNNWOOD	53	226.7	32	136.9	12	51.3	1	4.3
MOUNTLAKE TERRACE	28	175.5	17	106.6	3	18.8	1	6.3
SPOKANE	1,014	291.3	654	187.9	249	71.5	51	14.7
SPOKANE (CITY)	702	408.9	446	259.8	172	100.2	32	18.6
STEVENS	70	238.1	55	187.1	23	78.2		.0
THURSTON	359	273.4	226	172.1	64	48.7	7	5.3
LACEY	66	465.6	22	155.2	11	77.6		.0
OLYMPIA	124	447.7	76	274.4	22	79.4	2	7.2
WAHKIAKUM	15	394.7	6	157.9	2	52.6		.0
WALLA WALLA	137	283.6	83	171.8	34	70.4	12	24.8
WALLA WALLA (CITY)	96	375.0	63	287.0	27	105.5	8	31.3
WHATCOM	318	286.2	195	175.5	77	69.3	16	14.4
BELLINGHAM	163	354.7	102	222.0	51	111.0	8	17.4
WHITMAN	92	228.9	50	124.4	23	57.2		.0
PULLMAN	18	77.4	11	47.3	4	17.2		.0
YAKIMA	584	333.3	322	183.8	134	76.5	18	10.3
YAKIMA (CITY)	242	486.0	126	252.5	49	98.2	11	22.0

*RATES PER 100,000 ESTIMATED POPULATION.

TABLE 6

DEATHS WITH RATES* BY SELECTED CAUSES BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY AND CITY	INFLUENZA AND PNEUMONIA NUMBER	RATE	DIABETES MELLITUS NUMBER	RATE	CONGENITAL MALFORMATIONS NUMBER	RATE	CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY NUMBER	RATE
STATE TOTAL	906	21.2	566	13.3	254	6.0	301	7.1
ADAMS	2	15.3	3	22.9		.0	3	22.9
ASOTIN	5	29.4	2	11.8		.0	2	11.8
BENTON	16	14.3	14	12.5	5	4.5	7	6.3
KENNEWICK	9	8.5	7	19.8	2	5.7	3	8.5
RICHLAND	5	14.9	3	8.9	1	3.0	3	8.9
						.0		.0
CHELAN	12	26.4	6	13.2	4	8.8	6	13.2
WENATCHEE	7	40.9	1	5.8	1	5.8	1	5.8
CLALLAM	11	21.1	8	15.4	3	5.8	3	5.8
PORT ANGELES	4	23.1	2	11.6		.0	2	11.6
						31.4		.0
CLARK	32	16.1	27	13.6	14	7.0	14	7.0
VANCOUVER	16	37.3	9	21.0	6	14.0	8	18.6
COLUMBIA		.0		.0		.0		.0
						2.7	2	5.3
COWLITZ	16	20.1	18	22.6	7	8.8	7	8.8
KELSO	4	36.1	3	27.1	1	9.0	3	27.1
LONGVIEW	7	22.6	7	22.6	5	16.2	2	6.5
DOUGLAS	3	13.4	3	13.4	3	13.4	2	8.9
FERRY		.0		.0		.0	2	32.8
FRANKLIN	1	2.8	6	16.6	3	8.3	5	13.8
PASCO	1	5.2	6	31.5	2	10.5	4	21.0
GARFIELD		.0		.0		.0		.0
GRANT	6	12.3	12	24.7	3	6.2	3	6.2
MOSES LAKE	2	19.4	5	48.5		.0		.0
						29.5		.0
GRAYS HARBOR	15	22.7	5	7.6	2	3.0	5	7.6
ABERDEEN	4	21.6	2	10.8		.0		.0
						.0	2	67.8
ISLAND	7	15.2	4	8.7	2	4.3		.0
OAK HARBOR		.0	2	16.3		.0		.0
JEFFERSON	9	53.3	3	17.8	1	5.9	4	23.7
KING	331	25.2	176	13.4	54	4.1	79	6.0
AUBURN	6	20.7	3	10.4		.0	2	6.9
BELLEVUE	13	17.5	3	4.0	8	10.8	5	6.7
KENT	5	21.0	3	12.6	1	4.2	1	4.2
KIRKLAND	5	25.9	4	20.8		.0	1	5.2
MERCER ISLAND	7	33.1	2	9.5	2	9.5		.0
REDMOND	3	11.9	2	7.9	1	4.0	2	7.9
RENTON	9	27.2	6	18.1	1	3.0	3	9.1
SEATTLE	185	37.6	103	20.9	23	4.7	39	7.9
KITSAP	35	22.1	15	9.5	7	4.4	13	8.2
BREMERTON	12	33.8	7	19.7	1	2.8	5	14.1
KITTITAS	6	23.9	3	12.0		.0	2	8.0
ELLENSBURG	1	8.5	2	17.0		.0	1	8.5
KLICKITAT	2	12.3		.0	2	12.3	1	6.2
LEWIS	21	37.2	6	10.6	7	12.4	2	3.5
CENTRALIA	6	50.8	1	8.5		.0		.0
LINCOLN	2	20.8	3	31.3		.0	1	10.4
MASON	8	24.5	2	6.1	3	9.2	4	12.2
OKANOGAN	8	25.8	8	25.8	2	6.5	1	3.2
PACIFIC	5	28.2	7	39.5	2	11.3		.0
PEND OREILLE	6	68.2		.0		.0	1	11.4
PIERCE	69	13.7	58	11.5	47	9.3	44	8.7
PUYALLUP	7	37.7	6	32.3	2	10.8	1	5.4
TACOMA	29	18.1	32	20.0	21	13.1	16	10.0
SAN JUAN	5	58.8	2	23.5		.0	1	11.8
SKAGIT	25	38.1	7	10.7	3	4.6	2	3.0
MOUNT VERNON	4	29.4		.0		.0	2	14.7
SKAMANIA		.0	1	12.5	1	12.5		.0
						.0		.0
SNOHOMISH	79	22.2	49	13.7	25	7.0	26	7.3
EDMONDS	12	43.8	4	14.6	3	10.9	4	14.6
EVERETT	22	38.8	10	17.6	4	7.1	7	12.3
LYNNWOOD	4	17.1	1	4.3	1	4.3		.0
MOUNTLAKE TERRACE	1	6.3	5	31.3	2	12.5	1	6.3
SPOKANE	51	14.7	45	12.9	30	8.6	29	8.3
SPOKANE (CITY)	36	21.0	24	14.0	15	8.7	16	9.3
STEVENS	4	13.6	7	23.8		.0	4	13.6
THURSTON	27	20.6	9	6.9	5	3.8	4	3.0
LACEY	4	28.2	4	28.2		.0	1	7.1
OLYMPIA	12	43.3	3	10.8	1	3.6	1	3.6
WAHKIAKUM	1	26.3	1	26.3		.0		.0
WALLA WALLA	5	10.4	11	22.8	1	2.1	1	2.1
WALLA WALLA (CITY)	3	11.7	7	27.3	1	3.9	1	3.9
WHATCOM	16	14.4	21	18.9	5	4.5	9	8.1
BELLINGHAM	11	23.9	14	30.5	3	6.5	5	10.9
WHITMAN	10	24.9	4	10.0		.0	2	5.0
PULLMAN	5	21.5	1	4.3		.0	1	4.3
YAKIMA	66	31.4	20	11.4	13	7.4	12	6.8
YAKIMA (CITY)	28	56.1	6	12.0	4	8.0	5	10.0

*RATES PER 100,000 ESTIMATED POPULATION

TABLE 7

DEATHS WITH RATES* BY SELECTED CAUSES BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY AND CITY	BRONCHITIS, EMPHYSEMA AND ASTHMA NUMBER	RATE	ALCOHOLISM NUMBER	RATE	CIRRHOSIS OF THE LIVER WITH MENTION OF ALCOHOLISM NUMBER	CIRRHOSIS OF THE LIVER WITHOUT MENTION OF ALCOHOLISM NUMBER	TOTAL NUMBER	RATE	CHRONIC AND UNSPECIFIED NEPHRITIS NUMBER	RATE
STATE TOTAL	463	10.9	64	1.5	232	235	467	11.0	26	.6
ADAMS	2	15.3	1	7.6				.0		.0
ASOTIN	4	23.5		.0		1	1	5.9		.0
BENTON	15	13.4	1	.9	7	4	11	9.8	1	.9
KENNEWICK	7	19.8	1	2.8	2	2	4	11.3	1	2.8
RICHLAND	5	14.9		.0	3	2	5	14.9		.0
CHELAN	9	19.8	1	2.2	3	6	9	19.8		.0
WENATCHEE	5	29.2	1	5.8	2	5	7	40.9		.0
CLALLAM	2	3.8	1	1.9	2	3	5	9.6		.0
PORT ANGELES	1	5.8	1	5.8		1	1	5.8		.0
CLARK	14	7.0	4	2.0	9	9	18	9.1	3	1.5
VANCOUVER	4	9.3	1	2.3	4	2	6	14.0	2	4.7
COLUMBIA	1	25.0		.0				.0		.0
COWLITZ	9	11.3	1	1.3	2	5	7	8.8		.0
KELSO	4	36.1		.0				.0		.0
LONGVIEW	3	9.7	1	3.2		3	3	9.7		.0
DOUGLAS	4	17.9		.0		1	1	4.5		.0
FERRY	1	16.4		.0				.0		.0
FRANKLIN	5	13.8		.0	2	1	3	8.3		.0
PASCO	3	15.7		.0		1	1	5.2		.0
GARFIELD	2	83.3		.0				.0		.0
GRANT	8	16.5	1	2.1	3	4	7	14.4	1	2.1
MOSES LAKE	1	9.7		.0	1		1	9.7		.0
GRAYS HARBOR	4	6.1		.0	4	1	5	7.6	2	3.0
ABERDEEN		.0		.0	1	1	2	10.8		.0
ISLAND	1	2.2	1	2.2	2	1	3	6.5	1	2.2
OAK HARBOR		.0		.0				.0		.0
JEFFERSON	3	17.8		.0		4	4	23.7		.0
KING	150	11.4	14	1.1	90	81	171	13.0	9	.7
AUBURN	5	17.3	1	3.5	2	2	4	13.8		.0
BELLEVUE	7	9.4		.0	2	4	6	8.1		.0
KENT	1	4.2		.0				.0		.0
KIRKLAND	4	20.8		.0		1	1	5.2		.0
MERCER ISLAND	3	14.2		.0	1	2	3	14.2		.0
REDMOND	4	15.8		.0		1	1	4.0		.0
RENTON	3	9.1		.0	3	2	5	15.1		.0
SEATTLE	80	16.3	9	1.8	54	44	98	19.9	5	1.0
KITSAP	18	11.4	1	.6	6	5	11	6.9		.0
BREMERTON	8	22.6		.0	1		1	2.8		.0
KITTITAS	3	12.0		.0	1	1	2	8.0		.0
ELLENSBURG	1	8.5		.0				.0		.0
KLICKITAT	2	12.3		.0	1		1	6.2		.0
LEWIS	7	12.4		.0	2	2	4	7.1		.0
CENTRALIA	2	16.9		.0	1	1	2	16.9		.0
LINCOLN	4	41.7	1	10.4				.0		.0
MASON	3	9.2		.0		2	2	6.1		.0
OKANOGAN	5	16.1	1	3.2	2	2	4	12.9		.0
PACIFIC	4	22.6	1	5.6	3	2	5	28.2		.0
PEND OREILLE	2	22.7		.0		1	1	11.4		.0
PIERCE	41	8.1	6	1.2	25	30	55	10.9		.0
PUYALLUP	1	5.4	1	5.4	1	1	2	10.8		.0
TACOMA	17	10.6	4	2.5	16	21	37	23.1		.0
SAN JUAN		.0		.0				.0		.0
SKAGIT	4	6.1	4	6.1		4	4	6.1	1	1.5
MOUNT VERNON		.0		.0				.0		.0
SKAMANIA		.0		.0	1		1	12.5		.0
SNOHOMISH	28	7.9	10	2.8	14	14	28	7.9	2	.6
EDMONDS	2	7.3		.0	1	1	2	7.3		.0
EVERETT	3	5.3	3	5.3	6	4	10	17.6		.0
LYNNWOOD	1	4.3		.0	2	1	3	12.8	1	4.3
MOUNTLAKE TERRACE	1	6.3		.0				.0		.0
SPOKANE	46	13.2	10	2.9	27	23	50	14.4	3	.9
SPOKANE (CITY)	32	18.6	6	3.5	19	16	35	20.4	1	.6
STEVENS	4	13.6		.0	1	1	2	6.8		.0
THURSTON	15	11.4	2	1.5	6	4	10	7.6	1	.8
LACEY	4	26.2		.0	1		1	7.1		.0
OLYMPIA	7	25.3	2	7.2	1	3	4	14.4		.0
WAHKIAKUM		.0		.0				.0		.0
WALLA WALLA	6	12.4	1	2.1		4	4	8.3		.0
WALLA WALLA (CITY)	4	15.6	1	3.9		3	3	11.7		.0
WHATCOM	12	10.8		.0	8	3	11	9.9	1	.9
BELLINGHAM	4	8.7		.0	3	3	6	13.1	1	2.2
WHITMAN	3	7.5		.0	1		1	2.5		.0
PULLMAN		.0		.0	1		1	4.3		.0
YAKIMA	22	12.6	2	1.1	10	16	26	14.8	1	.6
YAKIMA (CITY)	15	30.1		.0	4	5	9	18.0		.0

*RATE PER 100,000 ESTIMATED POPULATION

TABLE 8

DEATHS BY CERTAIN INFECTIVE AND PARASITIC DISEASES BY PLACE OF RESIDENCE
WASHINGTON STATE 1982

COUNTY AND CITY	TOTAL	TUBERCULOSIS ALL FORMS	SEPTICEMIA AND PYEMIA	ALL OTHER CAUSES
STATE TOTAL	237	18	137	82
ADAMS	1		1	
ASOTIN				
BENTON	2		1	1
KENNEWICK	1			1
RICHLAND	1		1	
CHELAN	7	2		5
WENATCHEE	4	1		3
CLALLAM	2		1	1
PORT ANGELES				
CLARK	6		2	4
VANCOUVER	2		1	1
COLUMBIA				
COWLITZ	5		3	2
KELSO	1		1	
LONGVIEW	4		2	2
DOUGLAS	1		1	
FERRY				
FRANKLIN	1			1
PASCO	1			1
GARFIELD				
GRANT	2		1	1
MOSES LAKE	1			1
GRAYS HARBOR	5	1	2	2
ABERDEEN	2	1	1	
ISLAND	1			1
OAK HARBOR				
JEFFERSON	3		2	1
KING	82	5	55	22
AUBURN				
BELLEVUE	3		2	1
KENT				
KIRKLAND	2		2	
MERCER ISLAND				
REDMOND				
RENTON				
SEATTLE	53	4	35	14
KITSAP	8	1	5	2
BREMERTON	2		2	
KITTITAS	2			2
ELLENSBURG	2			2
KLICKITAT	2		1	1
LEWIS	1		1	
CENTRALIA				
LINCOLN				
MASON				
OKANOGAN	1		1	
PACIFIC	5		4	1
PEND OREILLE				
PIERCE	33	4	16	13
PUYALLUP	1		1	
TACOMA	19	3	8	8
SAN JUAN				
SKAGIT	1		1	
MOUNT VERNON				
SKAMANIA				
SNOHOMISH	13	3	9	1
EDMONDS	1			
EVERETT	3		3	
LYNNWOOD	1		1	
MOUNTLAKE TERRACE				
SPOKANE	20		12	8
SPOKANE (CITY)	12		10	2
STEVENS	3		2	1
THURSTON	8		4	4
LACEY	2		2	
OLYMPIA	3		2	1
WAHKIAKUM				
WALLA WALLA	1		1	
WALLA WALLA (CITY)	1		1	
WHATCOM	5	1	2	2
BELLINGHAM	2			2
WHITMAN	4		2	2
PULLMAN				
YAKIMA	12	1	7	4
YAKIMA (CITY)	4		2	2

TABLE 9

DEATHS WITH RATES* BY EXTERNAL CAUSES BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY AND CITY	ALL ACCIDENTS NUMBER	ALL ACCIDENTS RATE	MOTOR VEHICLE NUMBER	MOTOR VEHICLE RATE	FALLS NUMBER	FALLS RATE	DROWNINGS NUMBER	DROWNINGS RATE	FIRES NUMBER	FIRES RATE	ALL OTHER ACCIDENTS NUMBER	ALL OTHER ACCIDENTS RATE
STATE TOTAL	1,771	41.5	844	19.8	271	6.4	154	3.6	86	2.0	416	9.8
ADAMS	5	38.2	3	22.9		.0	1	7.6		.0	1	7.6
ASOTIN	12	70.6	5	29.4	2	11.8	2	11.8		.0	3	17.6
BENTON	28	25.1	14	12.5	5	4.5	3	2.7		.0	6	5.4
KENNEWICK	15	42.4	7	19.8	3	8.5	3	8.5		.0	2	5.7
RICHLAND	7	20.9	3	8.9	2	6.0		.0		.0	2	6.0
CHELAN	25	54.9	16	35.2	6	13.2	1	2.2	1	2.2	1	2.2
WENATCHEE	8	46.7	4	23.4	3	17.5		.0		.0	1	5.8
CLALLAM	26	49.9	11	21.1	3	5.8	2	3.8	2	3.8	8	15.4
PORT ANGELES	6	34.7	2	11.6	1	5.8		.0	1	5.8	2	11.6
CLARK	65	32.7	38	19.1	5	2.5	4	2.0	4	2.0	14	7.0
VANCOUVER	18	41.9	9	21.0	3	7.0	2	4.7		.0	4	9.3
COLUMBIA	1	25.0	1	25.0		.0		.0		.0		.0
COWLITZ	34	42.8	15	18.9	5	6.3	3	3.8	2	2.5	9	11.3
KELSO	7	63.2	4	36.1		.0	1	9.0		.0	2	18.1
LONGVIEW	18	58.2	7	22.6	4	12.9	2	6.5	2	6.5	3	9.7
DOUGLAS	7	31.3	3	13.4	2	8.9	1	4.5		.0	1	4.5
FERRY	4	65.6	3	49.2		.0		.0		.0	1	16.4
FRANKLIN	21	58.0	11	30.4	2	5.5	1	2.8	1	2.8	6	16.6
PASCO	12	63.0	5	26.2	2	10.5		.0	1	5.2	4	21.0
GARFIELD		.0		.0		.0		.0		.0		.0
GRANT	26	53.5	17	35.0	3	6.2	3	6.2		.0	3	6.2
MOSES LAKE	3	29.1	3	29.1		.0		.0		.0		.0
GRAYS HARBOR	41	62.0	19	28.7	4	6.1	2	3.0	2	3.0	14	21.2
ABERDEEN	8	43.1	3	16.2	1	5.4	1	5.4		.0	3	16.2
ISLAND	24	52.2	13	28.3	2	4.3	1	2.2	1	2.2	7	15.2
OAK HARBOR	6	49.0	4	32.7	1	8.2		.0		.0	1	8.2
JEFFERSON	5	29.6	3	17.8	1	5.9		.0		.0	1	5.9
KING	489	37.3	193	14.7	96	7.3	49	3.7	31	2.4	120	9.2
AUBURN	6	20.7	4	13.8		.0	2	6.9		.0		.0
BELLEVUE	24	32.3	10	13.5	5	6.7	4	5.4		.0	5	6.7
KENT	21	88.3	10	42.1	1	4.2		.0	2	8.4	8	33.6
KIRKLAND	17	88.2	7	36.3	5	25.9	3	15.6	1	5.2	1	5.2
MERCER ISLAND	9	42.6	2	9.5	1	4.7	3	14.2		.0	3	14.2
REDMOND	9	35.6	4	15.8	1	4.0	1	4.0		.0	3	11.9
RENTON	16	48.3	9	27.2	4	12.1	1	3.0		.0	2	6.0
SEATTLE	203	41.3	60	12.2	58	11.8	23	4.7	13	2.6	49	10.0
KITSAP	51	32.2	29	18.3	6	3.8	4	2.5	2	1.3	10	6.3
BREMERTON	12	33.8	9	25.4	1	2.8		.0		.0	2	5.6
KITTITAS	10	39.8	6	23.9	3	12.0	1	4.0		.0		.0
ELLENSBURG	3	25.5	2	17.0	1	8.5		.0		.0		.0
KLICKITAT	22	136.8	17	104.9		.0	1	6.2		.0	4	24.7
LEWIS	23	40.8	9	16.0	4	7.1	2	3.5	1	1.8	7	12.4
CENTRALIA	7	59.3	1	8.5	3	25.4		.0		.0	3	25.4
LINCOLN	6	62.5	4	41.7	2	20.8		.0		.0		.0
MASON	11	33.6	4	12.2	1	3.1	3	9.2		.0	3	9.2
OKANOGAN	28	90.3	18	58.1	2	6.5	4	12.9		.0	4	12.9
PACIFIC	13	73.4	5	28.2		.0	5	28.2		.0	3	16.9
PEND OREILLE	13	147.7	5	56.8	1	11.4	1	11.4		.0	6	68.2
PIERCE	193	38.3	91	18.0	27	5.4	20	4.0	7	1.4	48	9.5
PUYALLUP	3	16.2	1	5.4		.0	1	5.4		.0	1	5.4
TACOMA	83	51.8	34	21.2	18	11.2	11	6.9	2	1.2	18	11.2
SAN JUAN	2	23.5		.0		.0	1	11.8		.0	1	11.8
SKAGIT	49	74.7	26	39.6	8	12.2	3	4.6	1	1.5	11	16.8
MOUNT VERNON	8	58.7	5	36.7	1	7.3	1	7.3	1	7.3		.0
SKAMANIA	1	12.5	1	12.5		.0		.0		.0		.0
SNOHOMISH	128	35.9	64	18.0	25	7.0	5	1.4	6	1.7	29	7.9
EDMONDS	7	25.5	3	10.9	2	7.3		.0		.0	2	7.3
EVERETT	25	44.1	10	17.6	4	7.1	1	1.8	3	5.3	7	12.3
LYNNWOOD	9	38.5	4	17.1	1	4.3		.0		.0	4	17.1
MOUNTLAKE TERRACE	4	26.1	3	18.8	1	6.3		.0		.0		.0
SPOKANE	124	35.6	63	18.1	17	4.9	10	2.9	4	1.1	30	8.6
SPOKANE (CITY)	66	38.4	36	21.0	12	7.0	3	1.7	2	1.2	13	7.6
STEVENS	32	108.8	18	61.2	3	10.2	2	6.8	3	10.2	6	20.4
THURSTON	60	45.7	31	23.6	10	7.6	3	2.3	3	2.3	13	9.9
LACEY	8	56.4	1	7.1	4	28.2		.0		.0	3	21.2
OLYMPIA	21	75.8	11	39.7	5	18.1	2	7.2		.0	3	10.8
WAHKIAKUM	3	78.9	1	26.3		.0	1	26.3		.0	1	26.3
WALLA WALLA	24	49.7	11	22.8	3	6.2	3	6.2		.0	7	14.5
WALLA WALLA (CITY)	18	70.3	8	31.3	3	11.7	3	11.7		.0	4	15.6
WHATCOM	61	54.9	23	20.7	10	9.0	6	5.4	4	3.6	18	16.2
BELLINGHAM	25	54.4	11	23.9	6	13.1	2	4.4	2	4.4	4	8.7
WHITMAN	14	34.8	8	19.9	3	7.5	1	2.5		.0	2	5.0
PULLMAN	4	17.2	1	4.3	1	4.3	1	4.3		.0	1	4.3
YAKIMA	90	51.4	45	25.7	10	5.7	5	2.9	11	6.3	19	10.8
YAKIMA (CITY)	25	50.1	11	22.0	4	8.0		.0	3	6.0	7	14.0

*RATE PER 100,000 ESTIMATED POPULATION

TABLE 10

DEATHS WITH RATES* BY EXTERNAL CAUSES BY PLACE OF OCCURRENCE, WASHINGTON STATE 1962

	ALL ACCIDENTS		MOTOR VEHICLE		FALLS		DROWNINGS		FIRES		ALL OTHER ACCIDENTS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	1,731	80.6	814	19.1	277	6.5	152	3.6	87	2.0	401	9.4
ADAMS	11	84.0	10	76.3		.0		.0		.0	1	7.6
ASOTIN	5	29.4	2	11.8	1	5.9		.0		.0	2	11.8
BENTON	35	31.3	20	17.9	5	4.5	4	3.6		.0	6	5.4
KENNEWICK	13	36.8	8	22.6	2	5.7	2	5.7		.0	1	2.8
RICHLAND	11	32.8	4	11.9	2	6.0		.0		.0	5	14.9
CHELAN	40	87.9	22	48.4	8	17.6	4	8.8	1	2.2	5	11.0
WENATCHEE	23	134.3	11	64.2	7	40.9		.0		.0	5	29.2
CLALLAM	27	51.8	10	19.2	3	5.8	7	13.4	2	3.8	5	9.6
PORT ANGELES	13	75.1	3	17.3	2	11.6	4	23.1	1	5.8	3	17.3
CLARK	58	29.2	30	15.1	7	3.5	5	2.5	4	2.0	12	6.0
VANCOUVER	46	107.1	23	53.6	7	16.3	2	4.7	4	9.3	10	23.3
COLUMBIA		.0		.0		.0		.0		.0		.0
COWLITZ	30	37.7	11	13.8	3	3.8	5	6.3	2	2.5	9	11.3
KELSO	3	27.1	1	9.0		.0		.0		.0	2	18.1
LONGVIEW	22	71.1	7	22.6	3	9.7	3	9.7	2	6.5	7	22.6
DOUGLAS	1	4.5	1	4.5		.0		.0		.0		.0
FERRY	3	49.2	3	49.2		.0		.0		.0		.0
FRANKLIN	19	52.5	11	30.4	1	2.8	1	2.8		.0	6	16.6
PASCO	12	63.0	6	31.5	1	5.2		.0		.0	5	26.2
GARFIELD		.0		.0		.0		.0		.0		.0
GRANT	28	57.6	18	37.0		.0	6	12.3		.0	4	8.2
MOSES LAKE	9	87.3	5	48.5		.0	2	19.4		.0	2	19.4
GRAYS HARBOR	41	62.0	19	28.7	2	3.0	4	6.1	2	3.0	14	21.2
ABERDEEN	21	113.2	12	64.7	1	5.4	1	5.4		.0	7	37.7
ISLAND	25	54.3	11	23.9	3	6.5	3	6.5		.0	8	17.4
OAK HARBOR	7	57.1	3	24.5	2	16.3		.0		.0	2	16.3
JEFFERSON	14	82.8	4	23.7	4	23.7	3	17.8		.0	3	17.8
KING	452	34.5	171	13.0	97	7.4	34	2.6	36	2.7	114	8.7
AUBURN	6	20.7	2	6.9		.0	1	3.5	2	6.9	1	3.5
BELLEVUE	30	40.4	14	18.8	4	5.4	4	5.4	2	2.7	6	8.1
KENT	13	54.7	4	16.8		.0		.0	2	8.4	7	29.4
KIRKLAND	15	77.8	5	25.9	4	20.8	1	5.2		.0	5	25.9
MERCER ISLAND	12	56.8	3	14.2	1	4.7		.0		.0	8	37.9
REDMOND	7	27.7	3	11.9	1	4.0		.0		.0	3	11.9
RENTON	24	72.5	10	30.2	6	18.1	1	3.0		.0	7	21.1
SEATTLE	290	58.9	103	20.9	73	14.8	20	4.1	29	5.9	65	13.2
KITSAP	44	27.8	21	13.2	6	3.8	3	1.9	2	1.3	12	7.6
BREMERTON	21	59.2	12	33.8	4	11.3	1	2.8		.0	4	11.3
KITTITAS	11	43.8	7	27.9	2	8.0	2	8.0		.0		.0
ELLENSBURG	9	76.4	5	42.5	2	17.0	2	17.0		.0		.0
KLICKITAT	23	142.0	16	98.8	1	6.2	3	18.5		.0	3	18.5
LEWIS	21	37.2	14	24.8	3	5.3	1	1.8	1	1.8	2	3.5
CENTRALIA	2	16.9		.0	1	8.5		.0		.0	1	8.5
LINCOLN	11	114.6	9	93.8	1	10.4	1	10.4		.0		.0
MASON	11	33.6	4	12.2	1	3.1	4	12.2		.0	2	6.1
OKANOGAN	27	87.1	18	58.1	2	6.5	3	9.7		.0	4	12.9
PACIFIC	15	84.7	6	33.9	1	5.6	3	16.9		.0	5	28.2
PEND OREILLE	9	102.3	3	34.1		.0	2	22.7		.0	4	45.5
PIERCE	186	36.9	89	17.6	28	5.6	14	2.8	7	1.4	48	9.5
PUYALLUP	19	102.3	10	53.8	6	32.3		.0		.0	3	16.2
TACOMA	126	78.7	61	38.1	19	11.9	7	4.4	6	3.7	33	20.6
SAN JUAN	2	23.5		.0		.0	1	11.8		.0	1	11.8
SKAGIT	47	71.6	25	38.1	6	9.1	6	9.1	1	1.5	9	13.7
MOUNT VERNON	10	73.4	3	22.0	3	22.0		.0	1	7.3	3	22.0
SKAMANIA	5	62.5	2	25.0		.0		.0		.0	3	37.5
SNOHOMISH	120	33.7	57	16.0	23	6.5	9	2.5	4	1.1	27	7.6
EDMONDS	14	51.1	8	29.2	2	7.3	1	3.6		.0	3	10.9
EVERETT	46	81.1	25	44.1	9	15.9		.0	2	3.5	10	17.6
LYNNWOOD	11	47.1	5	21.4		.0	1	4.3		.0	5	21.4
MOUNTLAKE TERRACE		.0		.0		.0		.0		.0		.0
SPOKANE	130	37.3	66	19.0	28	8.0	5	1.4	4	1.1	27	7.8
SPOKANE (CITY)	118	68.7	59	34.4	27	15.7	5	2.9	4	2.3	23	13.4
STEVENS	23	78.2	14	47.6	1	3.4	2	6.8	3	10.2	3	10.2
THURSTON	50	38.1	26	19.8	8	6.1	3	2.3	3	2.3	10	7.6
LACEY	4	28.2	2	14.1	1	7.1		.0		.0	1	7.1
OLYMPIA	37	133.6	19	68.6	7	25.3	1	3.6	2	7.2	8	28.9
WAHKIAKUM	4	105.3		.0		.0	3	78.9		.0	1	26.3
WALLA WALLA	27	55.9	13	26.9	6	12.4	1	2.1	1	2.1	6	12.4
WALLA WALLA (CITY	24	93.8	12	46.9	6	23.4	1	3.9		.0	5	19.5
WHATCOM	60	54.8	22	19.8	14	12.6	3	2.7	5	4.5	16	14.4
BELLINGHAM	36	76.2	15	32.6	11	23.9		.0	1	2.2	8	17.4
WHITMAN	16	39.8	9	22.4	2	5.0	1	2.5		.0	4	10.0
PULLMAN	2	8.6		.0		.0		.0		.0	2	8.6
YAKIMA	100	57.1	50	28.5	10	5.7	6	3.4	9	5.1	25	14.3
YAKIMA (CITY)	52	184.2	22	44.1	8	16.0	2	4.0	4	8.0	16	32.1

*RATE PER 100,000 ESTIMATED POPULATION

TABLE 11

DEATHS WITH RATES* BY EXTERNAL CAUSES BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY AND CITY	SUICIDE NUMBER	SUICIDE RATE	HOMICIDE NUMBER	HOMICIDE RATE	UNDETERMINED EXTERNAL INJURIES NUMBER	UNDETERMINED EXTERNAL INJURIES RATE
STATE TOTAL	570	13.4	202	4.7	61	1.4
ADAMS	2	15.3		.0		.0
ASOTIN	2	11.8	1	5.9		.0
BENTON	11	9.8	6	5.4		.0
KENNEWICK	4	11.3	4	11.3		.0
RICHLAND	5	14.9		.0		.0
CHELAN	8	17.6	2	4.4		.0
WENATCHEE	6	35.0	1	5.8		.0
CLALLAM	11	21.1	1	1.9		.0
PORT ANGELES	2	11.6	1	5.8		.0
CLARK	26	13.1	10	5.0	4	2.0
VANCOUVER	8	18.6	2	4.7	2	4.7
COLUMBIA		.0		.0		.0
COWLITZ	9	11.3	2	2.5		.0
KELSO	3	27.1	1	9.0		.0
LONGVIEW		.0		.0		.0
DOUGLAS	1	4.5	1	4.5		.0
FERRY	2	32.8		.0		.0
FRANKLIN	2	5.5	2	5.5		.0
PASCO	2	10.5	2	10.5		.0
GARFIELD		.0		.0		.0
GRANT	11	22.6	1	2.1		.0
MOSES LAKE	6	58.2		.0		.0
GRAYS HARBOR	7	10.6	1	1.5	2	3.0
ABERDEEN		.0		.0		.0
ISLAND	2	4.3		.0		.0
OAK HARBOR		.0		.0		.0
JEFFERSON	4	23.7		.0		.0
KING	172	13.1	71	5.4	24	1.8
AUBURN	3	10.4	2	6.9		.0
BELLEVUE	7	9.4	5	6.7	1	1.3
KENT	3	12.6		.0		.0
KIRKLAND	2	10.4		.0	1	5.2
MERCER ISLAND	3	14.2		.0		.0
REDMOND	2	7.9	1	4.0		.0
RENTON	5	15.1	1	3.0		.0
SEATTLE	98	19.9	40	8.1	15	3.0
KITSAP	24	15.1	4	2.5	4	2.5
BREMERTON	6	16.9	1	2.8	2	5.6
KITTITAS		.0		.0		.0
ELLENSBURG		.0		.0		.0
KLICKITAT	2	12.3	1	6.2	1	6.2
LEWIS	5	8.9	4	7.1		.0
CENTRALIA	1	8.5		.0		.0
LINCOLN	1	10.4		.0		.0
MASON	5	15.3	2	6.1	1	3.1
OKANOGAN	9	29.0	2	6.5		.0
PACIFIC		.0	1	5.6		.0
PEND OREILLE	2	22.7		.0		.0
PIERCE	70	13.9	30	5.9	8	1.6
PUYALLUP	2	10.8	1	5.4		.0
TACOMA	36	22.5	18	11.2	5	3.1
SAN JUAN	2	23.5	1	11.8		.0
SKAGIT	4	6.1	5	7.6	1	1.5
MOUNT VERNON	1	7.3		.0	1	7.3
SKAMANIA		.0		.0		.0
SNOHOMISH	43	12.1	12	3.4	3	.8
EDMONDS	2	7.3		.0		.0
EVERETT	4	7.1	1	1.8	1	1.8
LYNNWOOD	3	12.8	3	12.8		.0
MOUNTLAKE TERRACE	1	6.3		.0		.0
SPOKANE	73	21.0	21	6.0	2	.6
SPOKANE (CITY)	46	26.8	13	7.6	1	.6
STEVENS	6	20.4	2	6.8		.0
THURSTON	11	8.4	3	2.3		.0
LACEY	3	21.2		.0		.0
OLYMPIA	4	14.4	1	3.6		.0
WAHKIAKUM	1	26.3		.0		.0
WALLA WALLA	5	10.4		.0		.0
WALLA WALLA (CITY)	3	11.7		.0		.0
WHATCOM	14	12.6	5	4.5	6	5.4
BELLINGHAM	9	19.6	1	2.2	2	4.4
WHITMAN	4	10.0		.0		.0
PULLMAN	1	4.3		.0		.0
YAKIMA	19	10.8	11	6.3	5	2.9
YAKIMA (CITY)	5	10.0	1	2.0	2	4.0

*RATE PER 100,000 ESTIMATED POPULATION

TABLE 12

DEATHS WITH RATES* BY EXTERNAL CAUSES BY PLACE OF OCCURRENCE, WASHINGTON STATE 1982

COUNTY AND CITY	SUICIDE NUMBER	SUICIDE RATE	HOMICIDE NUMBER	HOMICIDE RATE	UNDETERMINED EXTERNAL INJURIES NUMBER	UNDETERMINED EXTERNAL INJURIES RATE
STATE TOTAL	567	13.3	196	4.6	49	1.1
ADAMS	2	15.3		.0		.0
ASOTIN	2	11.8	1	5.9		.0
BENTON	9	8.1	9	8.1	1	.9
KENNEWICK	5	14.1	6	17.0	1	2.8
RICHLAND	4	11.9		.0		.0
CHELAN	10	22.0	2	4.4		.0
WENATCHEE	9	52.6	2	11.7		.0
CLALLAM	9	17.3	2	3.8		.0
PORT ANGELES	2	11.6	1	5.8		.0
CLARK	29	14.6	9	4.5	4	2.0
VANCOUVER	21	48.9	8	18.6	2	4.7
COLUMBIA		.0		.0		.0
COWLITZ	10	12.6	2	2.5		.0
KELSO	4	36.1		.0		.0
LONGVIEW	1	3.2	1	3.2		.0
DOUGLAS	1	4.5		.0		.0
FERRY	2	32.8		.0		.0
FRANKLIN	2	5.5		.0		.0
PASCO	1	5.2		.0		.0
GARFIELD		.0		.0		.0
GRANT	11	22.6	1	2.1		.0
MOSES LAKE	6	58.2		.0		.0
GRAYS HARBOR	7	10.6		.0	2	3.0
ABERDEEN	2	10.8		.0		.0
ISLAND	3	6.5		.0	1	2.2
OAK HARBOR	1	8.2		.0	1	8.2
JEFFERSON	4	23.7		.0		.0
KING	162	12.4	69	5.3	20	1.5
AUBURN	5	17.3	2	6.9	1	3.5
BELLEVUE	10	13.5	5	6.7		.0
KENT	5	21.0		.0		.0
KIRKLAND	4	20.8	3	15.6	1	5.2
MERCER ISLAND	3	14.2		.0		.0
REDMOND	2	7.9		.0		.0
RENTON	4	12.1	1	3.0		.0
SEATTLE	114	23.2	48	9.8	18	3.7
KITSAP	23	14.5	4	2.5	3	1.9
BREMERTON	8	22.6	3	8.5	3	8.5
KITTITAS	1	4.0		.0		.0
ELLENSBURG	1	8.5		.0		.0
KLICKITAT	2	12.3	1	6.2		.0
LEWIS	5	8.9	2	3.5		.0
CENTRALIA	1	8.5		.0		.0
LINCOLN	[illegible]	20.8		.0		.0
MASON	3	9.2	2	6.1		.0
OKANOGAN	7	22.6	3	9.7		.0
PACIFIC		.0	2	11.3		.0
PEND OREILLE	2	22.7		.0		.0
PIERCE	73	14.5	28	5.6	8	1.6
PUYALLUP	7	37.7		.0		.0
TACOMA	47	29.4	23	14.4	7	4.4
SAN JUAN	3	36.3	2	23.5		.0
SKAGIT	8	12.2	5	7.6		.0
MOUNT VERNON	3	22.0	1	7.3		.0
SKAMANIA		.0		.0		.0
SNOHOMISH	44	12.3	12	3.4	1	.3
EDMONDS	4	14.6	1	3.6		.0
EVERETT	11	19.4	2	3.5	1	1.8
LYNNWOOD	5	21.4		.0		.0
MOUNTLAKE TERRACE		.0		.0		.0
SPOKANE	72	20.7	22	6.3	3	.9
SPOKANE (CITY)	62	36.1	21	12.2	3	1.7
STEVENS	6	20.4	1	3.4		.0
THURSTON	12	9.1	3	2.3	2	1.5
LACEY	2	14.1		.0		.0
OLYMPIA	9	32.5	3	10.8	2	7.2
WAHKIAKUM		.0		.0		.0
WALLA WALLA	7	14.5		.0		.0
WALLA WALLA (CITY)	6	23.4		.0		.0
WHATCOM	14	12.6	4	3.6	2	1.8
BELLINGHAM	11	23.9	2	4.4	2	4.4
WHITMAN	4	10.0		.0		.0
PULLMAN	2	8.6		.0		.0
YAKIMA	16	9.1	10	5.7	2	1.1
YAKIMA (CITY)	18	20.0	6	12.0	1	2.0

*RATE PER 100,000 ESTIMATED POPULATION

TABLE 13

RESIDENCE DEATHS WITH RATES(1) BY SELECTED CAUSES BY SEX, WASHINGTON STATE 1982

Cause With International List Number	Total		Male		Female		Unknown
	Number	Rate	Number	Rate	Number	Rate	
Total All Causes	32,309	757.7	17,277	815.3	15,031	700.8	1
Enteritis and other diarrheal disease (008,009)	2	.0	2	.1		.0	
Tuberculosis, all forms (010-018,137)	18	.4	10	.5	8	.4	
Tuberculosis of the respiratory system (010-012)	10	.2	6	.3	4	.2	
Septiemia (038)	137	3.2	70	3.3	67	3.1	
All other infective and parasitic diseases excluding numbers listed above (000-139)	80	1.9	40	1.9	40	1.9	
Malignant neoplasms of lip, oral cavity, and pharynx (140-149)	145	3.4	86	4.1	59	2.8	
Malignant neoplasms of digestive organs and peritoneum (150-159)	1,902	44.6	1,020	48.1	882	41.1	
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	2,033	47.7	1,376	64.9	657	30.6	
Malignant neoplasms of breast (174,175)	650	15.2	7	.3	643	30.0	
Malignant neoplasms of genitourinary organs (179-189)	1,159	27.2	634	29.9	525	24.5	
Malignant neoplasms of other and unspecified sites (170-173,190-195,199)	756	17.7	406	19.2	350	16.3	
Leukemia (204-208)	289	6.8	172	8.1	117	5.5	
Other neoplasms of lymphatic and hematopoietic tissues (200-203)	425	10.0	241	11.4	184	8.6	
Benign and unspecified neoplasms (210-239)	73	1.7	14	.7	16	.7	
Diabetes mellitus (250)	566	13.3	238	11.2	328	15.3	
Nutritional deficiencies (260-269)	41	1.0	14	.7	27	1.3	
Anemias (280-285)	59	1.4	20	.9	39	1.8	
Alcoholism (303)	64	1.5	45	2.1	19	.9	
Meningitis (320,322)	10	.2	4	.2	6	.3	

(1)Rates per 100,000 estimated population

TABLE 13 (cont.)

RESIDENCE DEATHS WITH RATES(1) BY SELECTED CAUSES BY SEX, WASHINGTON STATE 1982

Cause With International List Number	Total Number	Total Rate	Male Number	Male Rate	Female Number	Female Rate	Unknown
Diseases of the heart (393-398,402,404,410-417, 420-429)	11,656	273.4	6,251	295.0	5,405	252.0	
Chronic rheumatic heart disease (393-398)	139	3.3	38	1.8	101	4.7	
Hypertensive heart disease (402)	256	6.0	89	4.2	167	7.8	
Hypertensive heart and renal disease (404)	37	.9	15	.7	22	1.0	
Ischemic heart disease (410-414)	8,296	194.6	4,707	222.1	3,589	167.3	
Other forms of heart disease (415-429)	2,928	68.7	1,402	66.2	1,526	71.1	
Hypertensive disease (401,403)	132	3.1	56	2.6	76	3.5	
Cerebrovascular disease (430-438)	2,650	62.1	1,038	49.0	1,612	75.2	
Arteriosclerosis (440)	486	11.4	208	9.8	278	13.0	
Other diseases of arteries, arterioles and capillaries (441-444,446-448)	379	8.9	248	11.7	131	6.1	
Acute bronchitis (466)	12	.3	6	.3	6	.3	
Pneumonia (480-486)	863	20.2	414	19.5	448	20.9	1
Influenza (487)	43	1.0	20	.9	23	1.1	
Bronchitis, chronic and unspecified (490,491)	59	1.4	36	1.7	23	1.1	
Emphysema (492)	310	7.3	203	9.6	107	5.0	
Asthma (493)	82	1.9	30	1.4	52	2.4	
Ulcer of stomach and duodenum (531-533)	131	3.1	64	3.0	67	3.1	
Appendicitis (540-543)	7	.2	2	.1	5	.2	
Hernia and Intestinal obstruction (550-553,560)	86	2.0	30	1.4	56	2.6	
Cirrhosis of liver (571)	467	11.0	287	13.5	180	8.4	
Cholelithiasis, Cholecystitis, and Cholangitis (574-576)	51	1.2	24	1.1	27	1.3	
Acute nephritis and nephrotic syndrome (580,581)	8	.2	5	.2	3	.1	
Chronic and unspecified nephritis (582,583)	26	.6	14	.7	12	6	
Infections of kidney (590)	23	.5	10	.5	13	.6	
Hyperplasia of prostate (600)	11	.3	11	.5		.0	

(1)Rates per 100,000 estimated population

TABLE 13 (cont.)

RESIDENCE DEATHS WITH RATES(1) BY SELECTED CAUSES BY SEX, WASHINGTON STATE 1982

Cause With International List Number	Total		Male		Female		Unknown
	Number	Rate	Number	Rate	Number	Rate	
Complications of pregnancy, childbirth, and puerperium (630-638,640-676)	4	.1		.0	4	.2	
Congenital anomalies (740-759)	254	6.0	144	6.8	110	5.1	
Birth injury, difficult labor and other anoxic and hypoxic conditions (763,767-769)	109	2.6	62	2.9	47	2.2	
Other causes of mortality in early infancy (760-762,764-766,770-779)	192	4.5	108	5.1	84	3.9	
Senility and ill-defined symptoms (780-799)	246	5.8	149	7.0	97	4.5	
All other diseases except above (residual)	3,004	70.5	1,592	75.1	1,412	65.8	
Motor vehicle accidents (E810-E825,E9290)	844	19.8	594	28.0	250	11.7	
All other accidents (E800-E807,E826-E949)	927	21.7	649	30.6	278	13.0	
Suicide (E950-E959)	570	13.4	435	20.5	135	6.3	
Homicide (E960-E969)	202	4.7	124	5.9	78	3.6	
Legal intervention (E970-E978)	5	.1	4	.2	1	.0	
Undetermined external injuries (E980-E989)	61	1.4	39	1.8	22	1.0	

(1)Rates per 100,000 estimated population

TABLE 14

RESIDENCE DEATHS WITH RATES(1) AND PERCENT(2) BY AGE GROUP AND SEX BY FIVE LEADING CAUSES, WASHINGTON STATE 1982

	INTERNATIONAL LIST NUMBER	TOTAL NUMBER	TOTAL RATE	TOTAL PERCENT(3)	MALE NUMBER	MALE RATE	MALE PERCENT(3)	FEMALE NUMBER	FEMALE RATE	FEMALE PERCENT(3)
ALL AGES										
ALL CAUSES		32,309#	757.7	100.0	17,277	815.3	100.0	15,031	700.8	100.0
DISEASES OF THE HEART	391-400,402,04,29	11,656	273.4	36.1	6,251	295.0	36.2	5,405	252.0	36.0
MALIGNANT NEOPLASMS	140-208, 230-234	7,359	172.6	22.8	3,942	186.0	22.8	3,417	159.3	22.7
CEREBROVASCULAR DISEASE	430-438	2,650	62.1	8.2	1,038	49.0	6.0	1,612	75.2	10.7
ALL ACCIDENTS	800-949	1,771	41.5	5.5	1,243	58.7	7.2	528	24.6	3.5
INFLUENZA AND PNEUMONIA	480-487	906#	21.2	2.8	434	20.5	2.5	471	22.0	3.1
ALL OTHER CAUSES		7,967	186.8	24.7	4,369	206.2	25.3	3,598	167.8	23.9
UNDER 1										
ALL CAUSES		744	1066.6	100.0	440	1229.6	100.0	304	894.9	100.0
SUDDEN INFANT DEATH SYNDROME	7980	197	282.4	26.5	123	343.7	28.0	74	217.8	24.3
CERTAIN CAUSES MORTALITY IN EARLY INFANCY	760-2,4-6,70-9	190	272.4	25.5	108	301.8	24.5	82	241.4	27.0
CONGENITAL ANOMALIES	740-759	166	238.0	22.3	96	268.3	21.8	70	206.1	23.0
BIRTH INJURY, ETC.	763,767-769	104	149.1	14.0	59	164.9	13.4	45	132.5	14.8
ALL ACCIDENTS	800-949	14	20.1	1.9	9	25.2	2.0	5	14.7	1.6
ALL OTHER CAUSES		73	104.7	9.8	45	125.8	10.2	28	82.4	9.2
1 - 4										
ALL CAUSES		140	53.8	100.0	80	60.1	100.0	60	47.1	100.0
ALL ACCIDENTS	800-949	62	23.8	44.3	40	30.0	50.0	22	17.3	36.7
CONGENITAL ANOMALIES	740-759	16	6.1	11.4	8	6.0	10.0	8	6.3	13.3
MALIGNANT NEOPLASMS	140-208, 230-234	16	6.1	11.4	9	6.8	11.3	7	5.5	11.7
BIRTH INJURY, ETC.	763,767-769	5	1.9	3.6	3	2.3	3.8	2	1.6	3.3
HOMICIDE	960-969	4	1.5	2.9	2	1.5	2.5	2	1.6	3.3
ALL OTHER CAUSES		37	14.2	26.4	18	13.5	22.5	19	14.9	31.6
5 - 14										
ALL CAUSES		164	26.6	100.0	100	31.6	100.0	64	21.3	100.0
ALL ACCIDENTS	800-949	90	14.6	54.9	59	18.6	59.0	31	10.3	48.4
MALIGNANT NEOPLASMS	140-208, 230-234	25	4.1	15.2	12	3.8	12.0	13	4.3	20.3
CONGENITAL ANOMALIES	740-759	8	1.3	4.9	7	2.2	7.0	1	.3	1.6
HOMICIDE	960-969	5	.8	3.0	1	.3	1.0	4	1.3	6.3
SUICIDE	950-959	3	.5	1.8	3	.9	3.0			
ALL OTHER CAUSES		33	5.3	20.1	18	5.7	18.0	15	5.0	23.4
15 - 24										
ALL CAUSES		683	91.8	100.0	494	129.2	100.0	189	52.3	100.0
ALL ACCIDENTS	800-949	383	51.5	56.1	291	76.1	58.9	92	25.5	48.7
SUICIDE	950-959	95	12.8	13.9	81	21.2	16.4	14	3.9	7.4
HOMICIDE	960-969	63	8.5	9.2	37	9.7	7.5	26	7.2	13.8
MALIGNANT NEOPLASMS	140-208, 230-234	40	5.4	5.9	27	7.1	5.5	13	3.6	6.9
CONGENITAL ANOMALIES	740-759	12	1.6	1.8	6	1.6	1.2	6	1.7	3.2
ALL OTHER CAUSES		90	12.1	13.1	52	13.6	10.5	38	10.5	20.1
25 - 34										
ALL CAUSES		825	104.6	100.0	569	142.4	100.0	256	65.7	100.0
ALL ACCIDENTS	800-949	365	46.3	44.2	294	73.6	51.7	71	18.2	27.7
SUICIDE	950-959	130	16.5	15.8	94	23.5	16.5	36	9.2	14.1
MALIGNANT NEOPLASMS	140-208, 230-234	101	12.8	12.2	50	12.5	8.8	51	13.1	19.9
HOMICIDE	960-969	56	7.1	6.8	34	8.5	6.0	22	5.6	8.6
DISEASES OF THE HEART	391-400,402,04-29	31	3.9	3.8	17	4.3	3.0	14	3.6	5.5
ALL OTHER CAUSES		142	18.0	17.2	80	20.0	14.0	62	15.9	24.2
35 - 44										
ALL CAUSES		914	168.2	100.0	593	215.3	100.0	321	119.8	100.0
MALIGNANT NEOPLASMS	140-208, 230-234	242	44.5	26.5	102	37.0	17.2	140	52.2	43.6
ALL ACCIDENTS	800-949	176	32.4	19.3	141	51.2	23.8	35	13.1	10.9
DISEASES OF THE HEART	391-400,402,04-29	170	31.3	18.6	134	48.6	22.6	36	13.4	11.2
SUICIDE	950-959	86	15.8	9.4	60	21.8	10.1	26	9.7	8.1
CIRRHOSIS OF LIVER	571	46	8.5	5.0	27	9.8	4.6	19	7.1	5.9
ALL OTHER CAUSES		194	35.7	21.2	129	46.8	21.7	65	24.3	20.2

TABLE 14 (CON'T)

RESIDENCE DEATHS WITH RATES(1) AND PERCENT(2) BY AGE GROUP AND SEX BY FIVE LEADING CAUSES, WASHINGTON STATE 1982

	INTERNATIONAL LIST NUMBER	TOTAL NUMBER	TOTAL RATE	TOTAL PERCENT(3)	MALE NUMBER	MALE RATE	MALE PERCENT(3)	FEMALE NUMBER	FEMALE RATE	FEMALE PERCENT(3)
45 -54										
ALL CAUSES		1,811	459.1	100.0	1,118	565.6	100.0	693	352.2	100.0
MALIGNANT NEOPLASMS	140-208, 230-234	617	156.4	34.1	306	154.8	27.4	311	158.0	44.9
DISEASES OF THE HEART	391-400,402,04-29	507	128.5	28.0	389	196.8	34.8	118	60.0	17.0
ALL ACCIDENTS	800-949	149	37.8	8.2	108	54.6	9.7	41	20.8	5.9
CIRRHOSIS OF LIVER	571	87	22.1	4.8	55	27.8	4.9	32	16.3	4.6
SUICIDE	950-959	78	19.8	4.3	59	29.8	5.3	19	9.7	2.7
ALL OTHER CAUSES		373	94.6	20.5	201	101.7	17.9	172	87.4	24.8
55 - 64										
ALL CAUSES		4,409	1135.4	100.0	2,714	1456.8	100.0	1,695	839.0	100.0
MALIGNANT NEOPLASMS	140-208, 230-234	1,606	413.6	36.4	868	465.9	32.0	738	365.3	43.5
DISEASES OF THE HEART	391-400,402,04-29	1,492	384.2	33.8	1,072	575.4	39.5	420	207.9	24.8
CEREBROVASCULAR DISEASE	430-438	208	53.6	4.7	109	58.5	4.0	99	49.0	5.8
CIRRHOSIS OF LIVER	571	141	36.3	3.2	87	46.7	3.2	54	26.7	3.2
ALL ACCIDENTS	800-949	125	32.2	2.8	87	46.7	3.2	38	18.8	2.2
ALL OTHER CAUSES		837	215.5	18.9	491	263.6	18.0	346	171.3	20.4
65 - 74										
ALL CAUSES		7,624	2734.7	100.0	4,581	3597.4	100.0	3,043	2009.3	100.0
DISEASES OF THE HEART	391-400,402,04-29	2,880	1033.0	37.8	1,819	1428.4	39.7	1,061	700.6	34.9
MALIGNANT NEOPLASMS	140-208, 230-234	2,227	798.8	29.2	1,313	1031.1	28.7	914	603.5	30.0
CEREBROVASCULAR DISEASE	430-438	490	175.8	6.4	247	194.0	5.4	243	160.5	8.0
BRONCHITIS, EMPHYSEMA, AND ASTHMA	466, 490-493	176	63.1	2.3	110	86.4	2.4	66	43.6	2.2
DIABETES MELLITUS	250	169	60.6	2.2	73	57.3	1.6	96	63.4	3.2
ALL OTHER CAUSES		1,682	603.3	22.0	1,019	800.2	22.2	663	437.8	21.7
75 - 84										
ALL CAUSES		8,333*	6135.6	100.0	4,215	8011.0	100.0	4,117	4948.4	100.0
DISEASES OF THE HEART	391-400,402,04-29	3,454	2543.2	41.4	1,747	3320.3	41.4	1,707	2051.7	41.5
MALIGNANT NEOPLASMS	140-208, 230-234	1,738	1279.7	20.9	926	1760.0	22.0	812	976.0	19.7
CEREBROVASCULAR DISEASE	430-438	938	690.7	11.3	383	727.9	9.1	555	667.1	13.5
INFLUENZA AND PNEUMONIA	480-487	266*	195.9	3.2	144	273.7	3.4	121	145.4	2.9
DIABETES MELLITUS	250	148	109.0	1.8	54	102.6	1.3	94	113.0	2.3
ALL OTHER CAUSES		1,789	1317.2	21.4	961	1826.5	22.7	828	995.2	20.1
85 AND OVER										
ALL CAUSES		6,659	15369.9	100.0	2,371	18689.9	100.0	4,288	13995.2	100.0
DISEASES OF THE HEART	391-400,402,04-29	3,096	7146.0	46.5	1,060	8355.7	44.7	2,036	6645.1	47.5
CEREBROVASCULAR DISEASE	430-438	902	2081.9	13.5	239	1884.0	10.1	663	2163.9	15.5
MALIGNANT NEOPLASMS	140-208, 230-234	743	1714.9	11.2	327	2577.6	13.8	416	1357.7	9.7
INFLUENZA AND PNEUMONIA	480-487	422	974.0	6.3	163	1284.9	6.9	259	845.3	6.0
ARTERIOSCLEROSIS	440	270	623.2	4.1	87	685.8	3.7	183	597.3	4.3
ALL OTHER CAUSES		1,226	2829.8	18.4	495	3901.9	20.8	731	2385.8	17.0
AGE UNKNOWN										
ALL CAUSES		3	NA	100.0	2	NA	100.0	1	NA	100.0
ARTERIOSCLEROSIS	440	1	NA	33.3	0	-	-	1	NA	100.0
HOMICIDE	960-969	1	NA	33.3	1	NA	50.0	0	-	-
ALL OTHER		1	NA	33.3	1	NA	50.0	0	-	-

*TOTAL INCLUDES 1 SEX UNKNOWN

(1) RATE PER 100,000 POPULATION IN AGE - SEX GROUP.
(2) PERCENT OF TOTAL DEATHS IN EACH AGE GROUP.
(3) DETAIL MAY NOT ADD TO 100 PERCENT DUE TO ROUNDING.

TABLE 15

DEATHS BY MONTH OF OCCURRENCE BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY AND CITY	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
STATE TOTAL	32,309	2,847	2,470	2,794	2,815	2,862	2,650	2,663	2,495	2,529	2,599	2,678	2,907
ADAMS	110	9	10	7	12	8	13	9	9	6	8	9	10
ASOTIN	166	12	15	9	16	20	11	15	12	13	12	20	11
BENTON	546	47	41	54	50	39	45	43	55	30	35	47	60
KENNEWICK	214	21	17	19	15	17	17	17	27	11	11	20	22
RICHLAND	185	17	14	14	21	10	17	13	17	7	15	15	25
CHELAN	484	28	38	46	38	45	40	43	47	38	43	33	45
WENATCHEE	249	20	19	24	19	19	20	14	24	21	21	21	27
CLALLAM	464	37	35	36	42	43	38	45	31	37	46	39	36
PORT ANGELES	183	10	13	14	22	15	18	15	14	15	21	12	14
CLARK	1,376	118	94	119	120	109	111	120	96	128	119	109	133
VANCOUVER	615	46	34	49	49	45	55	63	45	67	62	46	54
COLUMBIA	50	2	7	4	5	1	8	4	7	4	2	4	2
COWLITZ	648	50	62	45	62	58	55	50	62	46	57	45	56
KELSO	134	6	20	8	15	18	13	9	8	7	12	6	12
LONGVIEW	314	22	26	25	28	24	30	24	38	28	30	16	23
DOUGLAS	148	5	11	16	13	7	18	13	9	11	13	12	20
FERRY	39	1	2	5	3	2	4	4	4	4	4	5	1
FRANKLIN	209	15	18	21	20	15	19	15	24	17	17	19	9
PASCO	158	11	14	17	15	11	11	14	20	17	10	12	6
GARFIELD	31	2	1	2	5	6	3	1		1	1	4	5
GRANT	369	33	26	32	32	28	32	28	24	28	35	35	36
MOSES LAKE	84	11	7	9	1	8	6	9	3	5	8	9	8
GRAYS HARBOR	650	50	51	74	41	80	52	45	58	48	60	49	42
ABERDEEN	181	17	17	18	13	21	20	10	13	11	15	12	14
ISLAND	273	17	19	23	24	22	14	23	24	22	32	20	33
OAK HARBOR	47	6	3	4	7	4	1	2	4	1	3	4	8
JEFFERSON	158	14	2	23	18	11	10	9	12	15	20	14	20
KING	9,746	885	727	817	866	871	800	814	755	765	782	797	867
AUBURN	223	12	17	20	24	23	22	17	17	25	18	12	16
BELLEVUE	441	33	33	29	51	40	34	43	29	36	34	39	40
KENT	145	11	12	8	15	13	10	11	18	11	12	10	14
KIRKLAND	175	18	15	18	25	14	15	16	14	8	12	10	10
MERCER ISLAND	104	8	4	13	10	14	11	7	4	10	13	3	7
REDMOND	132	15	11	8	13	11	11	5	14	9	12	12	11
RENTON	275	26	21	25	15	21	24	24	29	15	19	27	29
SEATTLE	5,306	506	415	468	464	497	463	422	402	376	410	414	469
KITSAP	1,109	116	80	111	79	106	80	93	91	88	89	73	103
BREMERTON	389	35	31	50	28	33	23	32	38	36	26	29	28
KITTITAS	172	9	16	17	20	11	15	11	17	9	13	16	18
ELLENSBURG	83	5	7	14	10	4	6	6	7	4	5	7	8
KLICKITAT	162	17	14	8	22	12	8	10	18	18	13	15	7
LEWIS	559	50	48	40	60	47	52	41	41	42	53	40	45
CENTRALIA	183	15	19	15	14	17	18	14	14	16	14	12	15
LINCOLN	123	14	10	13	8	13	8	7	12	12	7	6	13
MASON	276	21	22	27	29	21	24	11	21	18	22	36	24
OKANOGAN	300	31	24	25	16	32	24	23	20	29	29	23	24
PACIFIC	211	24	14	19	16	16	14	24	16	10	21	22	15
PEND OREILLE	98	8	9	5	8	7	9	6	10	9	11	8	8
PIERCE	3,618	301	278	333	317	304	291	307	264	282	275	311	355
PUYALLUP	182	11	14	13	16	20	20	15	17	12	16	10	18
TACOMA	1,706	156	138	164	138	152	134	138	122	128	142	133	161
SAN JUAN	63	3	3	9	3	11	2	4	7	5	6	5	5
SKAGIT	614	58	48	44	48	63	53	48	45	44	47	56	60
MOUNT VERNON	133	17	11	11	15	15	4	11	12	6	6	11	14
SKAMANIA	36	6	2	2	2		3	5	4	5	2	3	2
SNOHOMISH	2,365	215	201	204	234	215	202	180	150	176	166	201	221
EDMONDS	257	21	25	22	27	27	22	13	12	20	23	23	22
EVERETT	637	66	61	56	66	66	48	43	35	41	39	51	65
LYNNWOOD	143	14	7	10	13	13	9	16	10	9	15	17	10
MOUNTLAKE TERRACE	74	6	4	6	7	4	7	6	9	9	5	8	3
SPOKANE	2,872	286	217	244	231	281	232	251	203	222	225	220	260
SPOKANE (CITY)	1,926	189	161	154	147	182	150	162	128	161	156	167	170
STEVENS	248	[illegible]	23	18	23	21	16	27	17	19	18	24	18
THURSTON	940	[illegible]	76	64	81	79	86	76	81	76	82	79	87
LACEY	154	[illegible]	16	10	13	12	10	15	10	11	12	20	15
OLYMPIA	328	[illegible]	29	20	23	36	33	16	31	29	29	22	34
WAHKIAKUM	29	4	3	4	1	3	1		5	2	2	3	1
WALLA WALLA	391	44	17	28	24	42	32	37	32	27	27	42	39
WALLA WALLA (CITY)	271	33	9	20	12	28	26	23	24	19	14	33	30
WHATCOM	887	78	72	68	78	61	81	76	58	76	67	82	91
BELLINGHAM	466	46	30	31	40	28	48	37	32	39	40	47	48
WHITMAN	235	18	15	23	27	16	19	17	19	19	22	27	13
PULLMAN	50	5	2	5	6	1	5	3	5	3	4	9	2
YAKIMA	1,524	121	119	155	121	136	126	128	135	128	116	125	114
YAKIMA (CITY)	695	54	55	57	44	55	44	51	54	45	46	49	51

TABLE 16

DEATHS BY TYPE OF PLACE BY PLACE OF OCCURRENCE, WASHINGTON STATE 1982

COUNTY AND CITY	TOTAL	GENERAL HOSPITAL	NURSING HOMES	HOME	FEDERAL FACILITY	PSYCHIATRIC HOSPITAL	STATE FACILITY	DEAD ON ARRIVAL	OTHER AND NOT SPECIFIED
STATE TOTAL	32,534	16,285	7,254	6,174	1,161	46	7	72	1,535
ADAMS	94	46	27	14				1	6
ASOTIN	158	88	52	14					4
BENTON	533	314	106	90				1	22
KENNEWICK	218	131	37	40				1	9
RICHLAND	244	140	50	33					1
CHELAN	580	330	152	72				1	25
WENATCHEE	429	276	104	38					11
CLALLAM	427	189	118	87				2	31
PORT ANGELES	302	176	64	50				2	10
CLARK	1,333	515	323	253	187	1		3	51
VANCOUVER	1,149	515	242	177	187	1		2	25
COLUMBIA	45	18	17	7					3
COWLITZ	666	380	155	106				1	24
KELSO	39	1	3	30					5
LONGVIEW	565	378	128	49					10
DOUGLAS	56		30	24					2
FERRY	26	11	2	11					2
FRANKLIN	164	93	36	22					13
PASCO	154	93	36	20					5
GARFIELD	29	15	10	4					
GRANT	297	170	36	67					24
MOSES LAKE	122	75	20	22					5
GRAYS HARBOR	581	282	157	106				4	32
ABERDEEN	375	248	81	34				2	10
ISLAND	186	53	35	68	6			2	22
OAK HARBOR	54	1	19	19	6			1	8
JEFFERSON	141	60	29	35					17
KING	10,513	5,586	2,132	2,126	241	2	1	11	414
AUBURN	293	163	48	65				2	15
BELLEVUE	461	272	50	113				1	25
KENT	98		1	80					17
KIRKLAND	401	187	143	61		1			9
MERCER ISLAND	64		27	24					13
REDMOND	225	131	50	38					6
RENTON	521	293	127	83					18
SEATTLE	7,736	4,475	1,364	1,427	241	1	1	8	219
KITSAP	1,039	428	272	209	38			2	90
BREMERTON	705	427	143	77	38			1	19
KITTITAS	151	55	58	21					17
ELLENSBURG	117	55	46	11					5
KLICKITAT	121	47	13	34				1	26
LEWIS	481	281	98	72				4	26
CENTRALIA	227	114	85	26				1	1
LINCOLN	93	32	23	21				4	13
MASON	202	86	39	61					16
OKANOGAN	249	120	42	57				2	28
PACIFIC	171	96	36	28					11
PEND OREILLE	96	45	16	30					5
PIERCE	3,727	1,686	753	710	411	25	1	11	130
PUYALLUP	526	257	179	84				3	3
TACOMA	2,893	1,425	526	447	409	12		8	66
SAN JUAN	42		13	22					7
SKAGIT	656	358	137	116				4	41
MOUNT VERNON	261	167	54	37				1	2
SKAMANIA	22			12					10
SNOHOMISH	2,089	1,026	536	423				2	100
EDMONDS	401	276	70	45				1	9
EVERETT	995	623	232	125					15
LYNNWOOD	86		32	40					14
MOUNTLAKE TERRACE	22		1	20					1
SPOKANE	3,407	1,890	739	450	195	18	3	3	109
SPOKANE (CITY)	3,211	1,866	678	403	184			3	86
STEVENS	171	69	27	54				2	19
THURSTON	968	426	212	231				6	33
LACEY	109	2	72	33					2
OLYMPIA	705	424	102	150				6	23
WAHKIAKUM	17		7	6					4
WALLA WALLA	540	247	123	64	83			1	22
WALLA WALLA (CITY)	493	247	93	50	83			1	19
WHATCOM	859	317	268	298				2	64
BELLINGHAM	683	316	217	119				1	30
WHITMAN	184	86	55	31				2	10
PULLMAN	72	41	22	8				1	
YAKIMA	1,480	840	368	298			2		42
YAKIMA (CITY)	1,066	672	256	121					18

TABLE 17

DEATHS, OCCURRENCE, BY MONTH BY SELECTED CAUSES, WASHINGTON STATE 1982

Cause of Death and International List Number	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TOTAL	32,534	2,855	2,480	2,814	2,829	2,900	2,664	2,673	2,527	2,538	2,643	2,686	2,925
Tuberculosis (010-019,137)	20			3	2	2	2	2		1	3	3	2
Syphilis and its Sequelae (090-091, 093-095, 097)	0												
All Other Infectious and Parasitic Diseases (001-009,020-136,138-139)	226	26	12	17	21	28	16	11	22	15	16	21	21
Malignant Neoplasm (140-208)	7,559	647	565	644	624	623	596	643	619	616	661	652	669
Cerebrovascular Disease (430-438)	2,677	256	201	252	246	245	203	197	201	203	195	233	245
Diabetes Mellitus (2500)	563	41	43	52	49	56	46	46	33	39	40	49	69
Diseases of the Heart (390-398,402,404, 410-417,420-429)	11,629	1,022	895	1,032	1,027	1,050	954	942	890	839	954	978	1,046
Chronic and Acute Ischemic Heart Disease (410-414)	8,259	705	618	716	772	754	692	654	648	585	662	703	750
Hypertensive Heart Disease (402)	257	25	19	22	21	34	19	19	24	23	16	19	16
Hypertensive Heart and Renal Disease (404)	36	2	4	8	3	6	1	2	4	1	1	3	1
Arteriosclerosis (440)	487	49	43	35	40	42	44	34	41	32	40	35	52
Influenza (487)	43	3	4	2	4	1	2	1	2		2	3	19
Pneumonia (480-486)	873	88	70	74	83	82	56	48	47	57	67	81	120
Certain Causes of Mortality in Early Infancy (763,767-769,760-762, 764-766,770-779)	309	29	28	24	35	36	31	20	19	25	19	31	12
All Accidents (E800-E949)	1,731	117	114	125	137	177	168	173	169	169	125	127	130
Motor Vehicle Accident (E810-E825,E9290)	814	53	47	53	62	86	82	83	83	85	74	61	45
Drownings, Excluding Submersion in a Boat (E910)	109	2	6	12	8	10	16	24	14	8	6		3
Falls (E880-E888,E9293)	277	32	15	25	15	28	34	20	16	26	14	21	31
Fire (E890-E899,E9294)	87	8	8	6	7	10	4	3	11	5	5	10	10

TABLE 18

DEATHS, RESIDENT, BY NON-TRANSPORT CAUSES, BY PLACE OF ACCIDENT, WASHINGTON STATE 1982

Cause of Death	Total	Home	Farm	Industrial Including Mines	Recre-ation	Street Highway	Public Building	Resident Institution	Other and Not Stated
TOTAL	808	347	20	65	82	20	3	87	184
Poisoning by drugs, medicaments and biologicals (E850-E858)	75	48					1	2	24
Poisoning by other solid and liquid substances, gases and vapors (E860-E869)	32	18		1	1	4			8
Misadventures during surgical and medical care (E870-E879)	13		1					8	4
Falls (E880-E888)	268	125		9	20	10	1	53	50
Falls on stairs and ladders (E880, E881)	27	16		4					7
Falls from one level to another (E882-E884)	50	16		3	18	2		4	7
Falls on same level (E885,E886)	9	6			1	1		1	
Other and unspecified falls (E887,E888)	182	87		2	1	7	1	48	36
Fire (E890-E899)	86	79		1				2	4
Natural and environmental factors (E900-E909)	18	4	1	1	7	1			4
Drowning, excluding submersion in boat (E910)	108	11	3	9	47	1			37
Inhalation and ingestion causing suffocation and obstruction (E911,E912)	45	8				2	1	21	13
Mechanical suffocation (E913)	20	13		2					5
Struck by, against or between objects (E916,E917,E918)	50	12	3	18	3	2			12
Machinery (E919)	27	2	11	11					3
Cutting and piercing instruments (E920)	3	1		1					1
Explosion and explosive material (E921,E923)	5	1		3					1
Firearms (E922)	17	12			2				3
Hot substance, corrosive liquid and steam (E924)	3	3							
Electricity (E925)	15	5	1	8					1
Other and unspecified accidents (E926-E949)	23	5		1	2			1	14

TABLE 19

FETAL, PERINATAL, NEONATAL AND INFANT MORTALITY BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY AND CITY	FETAL DEATHS NUMBER	FETAL DEATHS RATE(1)	PERINATAL MORTALITY(2) NUMBER	PERINATAL MORTALITY(2) RATE(3)	NEONATAL MORTALITY NUMBER	NEONATAL MORTALITY RATE(4)	INFANT MORTALITY NUMBER	INFANT MORTALITY RATE(4)
STATE TOTAL	501	7.2	847	12.1	419	6.0	744	10.7
ADAMS	1	3.4	3	10.2	3	10.2	4	13.7
ASOTIN		.0	1	3.6	2	7.1	5	17.9
BENTON	21	9.7	27	12.4	9	4.2	14	6.5
KENNEWICK	11	11.7	14	14.7	4	4.2	6	6.4
RICHLAND	4	7.6	6	11.4	3	5.7	5	9.6
CHELAN	6	7.8	15	19.3	9	11.7	16	20.8
WENATCHEE	4	12.3	6	18.3	2	6.2	6	18.5
CLALLAM	4	5.2	8	10.3	4	5.2	8	10.4
PORT ANGELES	1	3.5	3	10.5	2	7.0	3	10.6
CLARK	22	6.7	36	10.9	19	5.8	46	14.0
VANCOUVER	11	9.0	18	14.7	9	7.4	20	16.4
COLUMBIA	1	15.2	1	14.9		.0	1	15.2
COWLITZ	8	6.4	16	12.8	9	7.2	15	12.1
KELSO	2	9.7	5	23.9	3	14.5	4	19.3
LONGVIEW	4	7.9	9	17.6	6	11.8	8	15.8
DOUGLAS	2	5.3	6	15.8	4	10.6	5	13.2
FERRY	1	9.6	3	28.6	2	19.2	3	28.8
FRANKLIN	6	6.4	14	14.8	8	8.5	13	13.9
PASCO	5	8.7	11	18.9	6	10.4	10	17.4
GARFIELD		.0		.0		.0		.0
GRANT	11	12.3	15	16.6	4	4.5	8	9.0
MOSES LAKE	5	21.1	5	20.7		.0		.0
GRAYS HARBOR	8	7.2	14	12.5	6	5.4	13	11.7
ABERDEEN	2	6.3	2	6.3		.0	4	12.7
ISLAND	8	10.1	9	11.3	2	2.5	3	3.8
OAK HARBOR	4	13.9	4	13.7		.0		.0
JEFFERSON	1	4.2	4	16.9	4	16.9	4	16.9
KING	149	7.9	232	12.2	97	5.1	173	9.2
AUBURN	5	9.4	6	11.2	2	3.8	9	16.9
BELLEVUE	5	5.6	10	11.1	6	6.7	9	10.0
KENT	6	12.5	7	14.4	2	4.2	5	10.4
KIRKLAND	2	5.7	4	11.3	2	5.7	2	5.7
MERCER ISLAND	1	5.7	1	5.7		.0	1	5.7
REDMOND	3	7.4	6	14.6	3	7.4	5	12.3
RENTON	4	6.7	6	10.1	3	5.1	6	10.1
SEATTLE	76	11.2	117	17.1	49	7.2	74	10.9
KITSAP	17	6.4	27	10.0	16	6.0	28	10.5
BREMERTON	7	7.9	10	11.2	4	4.5	8	9.0
KITTITAS	2	6.2	3	9.2	2	6.2	2	6.2
ELLENSBURG	1	6.8	1	6.8	1	6.8	1	6.8
KLICKITAT	2	7.2	5	18.0	3	10.9	6	21.7
LEWIS	3	3.1	9	9.2	6	6.2	12	12.4
CENTRALIA		.0		.0		.0	1	4.2
LINCOLN	1	7.2	2	14.3	1	7.2	1	7.2
MASON		.0	4	7.8	5	9.8	7	13.7
OKANOGAN	5	8.0	7	11.1	2	3.2	5	8.0
PACIFIC	2	7.6	3	11.4	1	3.8	5	19.1
PEND OREILLE		.0		.0	1	7.6	2	15.2
PIERCE	61	6.4	113	11.8	67	7.1	118	12.4
PUYALLUP	1	3.0	2	6.0	1	3.0	2	6.0
TACOMA	24	7.4	43	13.1	26	8.0	41	12.6
SAN JUAN		.0	1	9.8	1	9.8	1	9.8
SKAGIT	6	5.5	11	10.0	5	4.6	9	8.3
MOUNT VERNON	1	3.6	3	10.9	2	7.3	3	10.9
SKAMANIA		.0		.0		.0		.0
SNOHOMISH	39	6.5	71	11.8	39	6.5	60	10.0
EDMONDS	4	8.8	7	15.3	4	8.8	5	11.0
EVERETT	10	8.4	19	15.7	12	10.0	17	14.2
LYNNWOOD	6	11.6	7	13.3	1	1.9	4	7.7
MOUNTLAKE TERRACE		.0	2	8.5	2	8.5	3	12.8
SPOKANE	40	7.1	77	13.6	45	8.0	72	12.8
SPOKANE (CITY)	27	9.3	47	16.0	24	8.2	38	13.1
STEVENS	4	7.5	7	13.0	3	5.6	9	16.8
THURSTON	16	7.3	22	10.0	7	3.2	15	6.9
LACEY	1	3.5	2	7.0	1	3.5	2	7.1
OLYMPIA	5	7.5	5	7.5		.0	3	4.5
WAHKIAKUM	2	57.1	2	54.1		.0		.0
WALLA WALLA	6	8.3	7	9.6	1	1.4	3	4.2
WALLA WALLA (CITY)	2	4.6	3	6.8	1	2.3	1	2.3
WHATCOM	12	7.2	20	11.9	11	6.6	16	9.6
BELLINGHAM	6	9.7	12	19.1	6	9.7	6	9.7
WHITMAN	6	12.2	8	16.1	2	4.1	2	4.1
PULLMAN	2	8.5	3	12.7	1	4.3	1	4.3
YAKIMA	28	8.3	44	13.0	19	5.7	40	11.9
YAKIMA (CITY)	9	9.3	15	15.3	6	6.2	11	11.3

(1)RATIO PER 1,000 LIVEBIRTHS
(2)FETAL DEATHS PLUS LIVEBORN INFANTS DYING AT 6 DAYS AND UNDER
(3)RATE PER 1,000 LIVEBIRTHS PLUS FETAL DEATHS
(4)RATE PER 1,000 LIVEBIRTHS

TABLE 20

FETAL, PERINATAL, NEONATAL AND INFANT MORTALITY BY PLACE OF OCCURRENCE, WASHINGTON STATE 1982

County and City	Fetal Deaths Number	Fetal Deaths Ratio (1)	Perinatal Mortality (2) Number	Perinatal Mortality (2) Rate (3)	Neonatal Mortality Number	Neonatal Mortality Rate (4)	Infant Mortality Number	Infant Mortality Rate (4)
STATE TOTAL	496	7.2	864	12.3	434	6.3	757	11.0
Adams		.0		.0		.0	1	3.6
Asotin		.0		.0		.0		.0
Benton	21	8.0	25	9.4	4	1.5	7	2.7
Kennewick	5	6.3	5	6.2		.0	1	1.3
Richland	16	10.1	19	11.9	3	1.9	5	3.2
Chelan	8	6.6	13	10.6	5	4.1	9	7.4
Wenatchee	7	6.7	10	9.6	3	2.9	4	3.8
Clallam	4	5.2	6	7.7	2	2.6	6	7.7
Port Angeles	3	4.6	4	6.2	1	1.5	4	6.2
Clark	12	5.0	19	7.9	9	3.8	26	10.9
Vancouver	11	4.7	18	7.6	9	3.8	22	9.3
Columbia	1	20.4	1	20.0		.0		.0
Cowlitz	9	6.5	15	10.7	7	5.0	10	7.2
Longview	9	6.5	15	10.8	7	5.1	8	5.8
Douglas		.0		.0		.0		.0
Ferry		.0		.0		.0	1	20.4
Franklin	5	10.8	7	14.9	2	4.3	6	12.9
Pasco	5	10.8	7	15.0	2	4.3	5	10.8
Garfield		.0		.0		.0		.0
Grant	8	11.6	10	14.3	2	2.9	5	7.3
Moses Lake	7	13.4	9	17.0	2	3.8	3	5.8
Grays Harbor	6	7.6	7	8.8	1	1.3	7	8.9
Aberdeen	6	8.8	7	10.2	1	1.5	5	7.3
Island	7	10.2	7	10.1		.0	1	1.5
Oak Harbor	4	10.0	4	9.9		.0		.0
Jefferson	1	5.5	1	5.5		.0		.0
King	166	8.0	310	14.8	172	8.3	281	13.5
Auburn	6	10.4	6	10.3		.0	11	19.1
Bellevue	6	2.9	7	3.4	1	.5	2	1.0
Kent		.0		.0		.0	3	136.4
Kirkland	10	9.8	13	12.6	3	2.9	6	5.9
Mercer Island		.0		.0		.0		.0
Redmond	14	7.3	15	7.8	1	.5	1	.5
Renton	13	6.3	17	8.2	4	1.9	10	4.9
Seattle	113	8.8	248	19.2	163	12.7	230	18.6
Kitsap	13	5.6	17	7.3	5	2.2	14	6.1
Bremerton	13	5.8	17	7.5	4	1.8	9	4.0
Kittitas	2	7.3	2	7.3		.0	1	3.7
Ellensburg	2	7.7	2	7.6		.0	1	3.8
Klickitat	3	13.2	4	17.3	1	4.4	4	17.5
Lewis	3	..2	8	8.6	5	5.4	11	11.9
Centralia	2	4.3	5	10.8	3	6.5	6	13.0
Lincoln		.0		.0		.0		.0
Mason		.0		.0		.0	1	4.0
Okanogan	3	5.0	5	8.2	2	3.3	4	6.6
Pacific		.0		.0		.0	2	13.9
Pend Oreille		.0		.0		.0	1	9.3
Pierce	63	6.2	124	12.2	81	8.0	130	12.8
Puyallup	4	3.2	7	5.6	3	2.4	7	5.6
Tacoma	58	6.6	116	13.2	77	8.8	113	12.9
San. Juan		.0		.0		.0		.0
Skagit	7	5.1	11	7.9	4	2.9	9	6.5
Mount Vernon	4	4.4	7	7.6	3	3.3	5	5.5
Skamania		.0		.0		.0		.0
Snohomish	25	5.8	37	8.5	13	3.0	28	6.4
Edmonds	10	6.0	13	7.8	4	2.4	6	3.6
Everett	10	4.7	17	8.0	7	3.3	11	5.2
Spokane	54	8.4	130	20.2	94	14.7	128	20.0
Spokane (city)	52	8.7	128	21.3	94	15.8	125	21.0
Stevens	4	10.1	4	10.0		.0	4	10.1
Thurston	17	7.2	20	8.5	4	1.7	10	4.3
Lacey		.0		.0		.0	1	142.9
Olympia	17	7.3	20	8.5	4	1.7	8	3.4
Wahkiakum		.0		.0		.0		.0
Walla Walla	9	9.0	11	10.9	2	2.0	6	6.0
Walla Walla (city)	8	8.1	10	10.0	2	2.0	5	5.0
Whatcom	11	7.0	14	8.9	4	2.6	8	5.1
Bellingham	11	7.2	14	9.1	3	2.0	4	2.6
Whitman	3	5.5	3	5.5		.0	1	1.8
Pullman	2	4.4	2	4.4		.0		.0
Yakima	31	9.1	43	12.5	15	4.4	36	10.3
Yakima (city)	21	8.6	32	13.1	13	5.3	26	10.7

(1) Ratio per 1,000 livebirths
(2) Fetal deaths plus liveborn infants dying at 6 days and under
(3) Rate per 1,000 livebirths plus fetal deaths
(4) Rate per 1,000 livebirths

TABLE 21

RESIDENCE FETAL MORTALITY BY SEX AND WEIGHT, WASHINGTON STATE 1982

GRAM WEIGHT	TOTAL	MALE	FEMALE	SEX UNKNOWN
TOTAL	501	274	219	8
1,000 GRAMS OR LESS	270	146	116	8
1,001 - 1,500	42	22	20	
1,501 - 2,000	32	19	13	
2,001 - 2,500	41	18	23	
2,501 - 3,000	40	19	21	
3,001 - 3,500	37	23	14	
3,501 - 4,000	27	19	8	
4,001 - 4,500	8	5	3	
4,501 AND OVER	4	3	1	

TABLE 22

FETAL MORTALITY BY CAUSE, WASHINGTON STATE, 1982

Cause with International List Number		Totals
TOTAL ALL CAUSES		501
CONGENITAL ANOMALIES		59
Anencephalus (740)	10	
Spina Bifida (741)	2	
Hydrocephalus and Encephalocele (742)	7	
Anomalies of the Heart (745-746)	6	
Anomalies of Respiratory System (748)	2	
Anomalies of Digestive System (750-751)	1	
Anomalies of Musculoskeletal System (755-756)	6	
Chromosomal Anomalies (758)	1	
Other and Unspecified Congenital Anomalies (747,749,752-754,759)	24	
CERTAIN CAUSES OF PERINATAL MORBIDITY AND MORTALITY (760-779)		440
Maternal Conditions Which May be Unrelated to Pregnancy (760)		27
Chronic Hypertension (7600)	12	
Maternal Infections (7602)	2	
Maternal Injury (7605)	7	
Other Maternal Conditions (7601,7603-7604,7606-7609)	6	
Maternal Conditions Related to Pregnancy (761)		33
Incompetent Cervix (7610)	9	
Premature Rupture of Membranes (7611)	10	
Other Maternal Conditions (7612-7619)	14	
Complications of Placenta, Cord, and Membranes (762)		181
Complications of Placenta (7620-7623)	88	
Complications of Cord (7624-7626)	89	
Complications of Membranes (7627-7629)	4	
Complications of Labor (763)		3
Intrauterine Hypoxia (768)		13
Other Complications of Pregnancy and Childbirth (764-765)		32
Diseases of the Fetus and Ill-defined Causes (770-779)		151
Respiratory Conditions (770)	0	
Infections Specific to the Perinatal Period (771)	4	
Fetal Hemorrhage (772)	2	
Haemolytic Disease (773)	1	
Infant of Diabetic Mother (7750)	3	
Other Conditions of Fetus (776-779)	141	
ALL OTHER CAUSES (001-739,780-799)		2

TABLE 23

INFANT MORTALITY BY RACE BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY AND CITY	TOTAL	WHITE	BLACK	MEXICAN/ CHICANO	INDIAN	JAPANESE	FILIPINO	OTHER ASIAN
STATE TOTAL	744	612	53	31	23	1	3	21
ADAMS	4	4						
ASOTIN	5	5						
BENTON	14	11	1	1			1	
KENNEWICK	6	5		1				
RICHLAND	5	3	1				1	
CHELAN	16	13		3				
WENATCHEE	6	5		1				
CLALLAM	8	6			2			
PORT ANGELES	3	2			1			
CLARK	46	44						2
VANCOUVER	20	18						2
COLUMBIA	1	1						
COWLITZ	15	13						2
KELSO	4	4						
LONGVIEW	8	6						2
DOUGLAS	5	5						
FERRY	3	2			1			
FRANKLIN	13	4	1	8				
PASCO	10	2	1	7				
GRANT	8	7		1				
MOSES LAKE								
GRAYS HARBOR	13	11			2			
ABERDEEN	4	4						
ISLAND	3	3						
OAK HARBOR								
JEFFERSON	4	4						
KING	173	135	26	1			2	9
AUBURN	9	9						
BELLEVUE	9	7	1					1
KENT	5	5						
KIRKLAND	2	2						
MERCER ISLAND	1	1						
REDMOND	5	5						
RENTON	6	6						
SEATTLE	74	42	22				2	8
KITSAP	28	28						
BREMERTON	8	8						
KITTITAS	2	2						
ELLENSBURG	1	1						
KLICKITAT	6	4			2			
LEWIS	12	12						
CENTRALIA	1	1						
LINCOLN	1	1						
MASON	7	6	1					
OKANOGAN	5	3			2			
PACIFIC	5	5						
PEND OREILLE	2	2						
PIERCE	118	89	19		3	1		6
PUYALLUP	2	2						
TACOMA	41	28	5		2			6
SAN JUAN	1	1						
SKAGIT	9	7		1	1			
MOUNT VERNON	3	2		1				
SNOHOMISH	60	56	2		1			1
EDMONDS	5	4	1					
EVERETT	17	16	1					
LYNNWOOD	4	4						
MOUNTLAKE TERRACE	3	3						
SPOKANE	72	68	3		1			
SPOKANE (CITY)	38	34	3		1			
STEVENS	9	8			1			
THURSTON	15	14						1
LACEY	2	1						1
OLYMPIA	3	3						
WAHKIAKUM								
WALLA WALLA	3	2		1				
WALLA WALLA (CITY)	1	1						
WHATCOM	16	15			1			
BELLINGHAM	6	6						
WHITMAN	2	2						
PULLMAN	1	1						
YAKIMA	40	19		15	6			
YAKIMA (CITY)	11	7		3	1			

TABLE 24

INFANT MORTALITY BY AGE AND SEX BY CAUSE, WASHINGTON STATE 1982

Cause and International List Number	Total		Under 1 Day		1 Day-Under 7 Days		7 Days-Under 28 Days		28 Days-Under 3 Mo.		3 Mo.-Under 6 Mo.		6 Mo.-Under 9 Mo.		9 Mo.-Under 12 Mo.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
TOTAL ALL CAUSES	440	304	116	107	72	51	48	25	69	62	72	44	27	10	16	5
All infective and parasitic diseases (000-139)	5	4					1		1	1	1	1	1		1	2
Malignant neoplasms (140-208)	2	2									1			1	1	1
Meningitis (320,322)	2	1			1				1					1		
Pneumonia (480-486)	2	3				1			1			2	1			
Other diseases of respiratory system (510-519)	2	4						1	1	2		1			1	
Hernia and intestinal obstruction (550-553,560)		1		1												
Congenital malformations (740-759)	96	70	24	29	29	16	16	9	15	9	4	4	6	1	2	2
Anencephalus (740)	3	7	1	5	2	2										
Spina bifida and meningocele (741)																
Other central nervous system malformations (742)	8	8	1	3	1	1	3	2	3	2						
Anomalies of the heart (745-746)	34	14	3	1	10	6	6	3	9	2	2	2	3		1	
Other anomalies of circulatory system (747)	6	4		2	4		1		1	2						
Anomalies of the respiratory system (748)	12	10	7	4	2	2	3	2		2						
Anomalies of the digestive system (751)		3										1				2
Anomalies of the genito-urinary system (752-753)	9	2	5	1	3	1	1									
Other congenital malformations (749-750,755-759)	24	22	7	13	7	4	2	2	2	1	2	1	3	1	1	
Certain diseases of early infancy (760-779)	168	127	92	76	41	34	23	11	9	5	2	1	1			
Maternal diseases affecting child (760)	2	1	1		1	1										
Complications of pregnancy affecting child (761-762)	19	20	18	19	1	1										
Birth injuries (763,767-769)	60	45	26	18	20	19	11	5	1	2	2	1				
Other diseases peculiar to early infancy (765,770-779)	87	61	47	39	19	13	12	6	8	3			1			
Sudden infant death syndrome (7980)	123	74			1		4	3	54	38	51	30	13	3		
All other diseases (residual)	25	12		1			3	1	4	5	9	5	3		6	
All accidents (E800-E949)	9	5							3	2	2		1	3	3	
Motor vehicle accidents (E810-E825,E9290)	2								1						1	
Inhalation of food or other object causing obstruction or suffocation (E911,E912)	2	2							1	1	1			1		
Mechanical suffocation in bed or cradle and in other and unspecified circumstances (E913)	1	2									1			2		
All other accidents (residual)	4	1							1	1			1		2	
Homicide (E963-E968)	5						1				1		1		2	
Injury undetermined whether accidentally or purposely inflicted (E988)	1	1									1			1		

TABLE 25

INFANT MORTALITY BY LEADING CAUSES, BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY AND CITY	TOTAL ALL CAUSES	BIRTH INJURIES	OTHER CAUSES OF MORTALITY IN EARLY INFANCY	CONGENITAL MALFORMATIONS	INFLUENZA AND PNEUMONIA	ALL ACCIDENTS	SUDDEN INFANT DEATH	ALL OTHER CAUSES
STATE TOTAL	744	104	190	166	6	14	197	67
ADAMS	4	2	1				1	
ASOTIN	5	1	1			1	2	
BENTON	14	3	4	4			1	2
KENNEWICK	6		3	1				2
RICHLAND	5	2	1	1			1	
CHELAN	16		6	3			4	3
WENATCHEE	6		1	1			1	3
CLALLAM	8	1	2	2			3	
PORT ANGELES	3	1	1				1	
CLARK	46	5	9	10			19	3
VANCOUVER	20	2	6	5			6	1
COLUMBIA	1							1
COWLITZ	15	1	5	5			3	1
KELSO	4	1	1	1			1	
LONGVIEW	8		2	4			1	1
DOUGLAS	5	2		2		1		
FERRY	3	1	1				1	
FRANKLIN	13	2	3	2		3		3
PASCO	10	1	3	1		2		3
GARFIELD								
GRANT	8	1	2	3			2	
MOSES LAKE								
GRAYS HARBOR	13	2	3	1			5	2
ABERDEEN	4						3	1
ISLAND	3			2		1		
OAK HARBOR								
JEFFERSON	4		3	1				
KING	173	29	48	28	2	1	51	14
AUBURN	9		2				5	2
BELLEVUE	9	2	2	4			1	
KENT	5		1		1		2	1
KIRKLAND	2		1				1	
MERCER ISLAND	1			1				
REDMOND	5		2	1		1		1
RENTON	6	2	1				3	
SEATTLE	74	15	24	11			18	6
KITSAP	28	6	7	5	1		6	3
BREMERTON	8	2	3	1	1		1	
KITTITAS	2	1	1					
ELLENSBURG	1	1						
KLICKITAT	6		1	2		1	1	1
LEWIS	12		2	4			6	
CENTRALIA	1						1	
LINCOLN	1		1					
MASON	7	1	3	2			1	
OKANOGAN	5	1		2			2	
PACIFIC	5			2			3	
PEND OREILLE	2	1					1	
PIERCE	118	13	30	32	1	1	29	12
PUYALLUP	2		1	1				
TACOMA	41	4	12	11			12	2
SAN JUAN	1	1						
SKAGIT	9		2	3			2	2
MOUNT VERNON	3		2					1
SKAMANIA								
SNOHOMISH	60	8	18	14		1	16	3
EDMONDS	5	2	2				1	
EVERETT	17	2	5	3			5	2
LYNNWOOD	4			1			2	1
MOUNTLAKE TERRACE	3		1	1			1	
SPOKANE	72	9	20	20		1	10	12
SPOKANE (CITY)	38	4	12	8			6	8
STEVENS	9	1	3			2	3	
THURSTON	15	2	2	5			6	
LACEY	2	1					1	
OLYMPIA	3		1	1			1	
WAHKIAKUM								
WALLA WALLA	3			1	1			1
WALLA WALLA (CITY)	1			1				
WHATCOM	16	2	7	2			5	
BELLINGHAM	6	2	3	1				
WHITMAN	2	2						
PULLMAN	1	1						
YAKIMA	40	6	5	9	1	1	14	4
YAKIMA (CITY)	11	3	2	1		1	4	

MARRIAGES AND DISSOLUTIONS

TABLE 1

MARRIAGES BY COUNTY OF MARRIAGE BY BRIDE AND GROOM AGE GROUP, WASHINGTON STATE 1982

COUNTY		TOTAL	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	OTHER & UNKNOWN
STATE TOTAL	BRIDE	48,228	11	7,399	16,696	10,234	5,862	3,189	1,824	988	681	441	356	258	161	77	27	3	21
	GROOM	48,228	4	2,536	15,117	11,973	7,150	4,225	2,435	1,578	1,053	727	556	402	241	121	60	23	27
ADAMS	BRIDE	112		37	34	14	15	3	1	2	3	1		1					1
	GROOM	112		16	47	22	14	4	1	2	1	3		1	1				
ASOTIN	BRIDE	145		29	49	28	14	8	10	2	3	1		1					
	GROOM	145		14	39	38	17	18	8	4	2	3		1			1		
BENTON	BRIDE	1,290		257	446	263	141	80	41	23	17	8	6	3	4		1		
	GROOM	1,290		87	419	314	180	125	59	43	27	11	10	9	3				3
CHELAN	BRIDE	689		115	235	125	97	49	25	13	14	5	4	2	2	3			
	GROOM	689		36	222	155	114	65	33	17	16	4	10	4	8	2	3		
CLALLAM	BRIDE	559		100	204	104	45	36	20	10	15	9	6	4	4	2			
	GROOM	559		35	173	120	68	49	27	13	14	18	7	8	1	3	3		
CLARK	BRIDE	4,323	1	656	1,290	916	552	348	221	98	97	49	49	25	10	9	2		
	GROOM	4,323	2	208	1,199	996	673	429	287	160	123	97	61	40	24	14	6	3	1
COLUMBIA	BRIDE	38		10	12	6	1	4	1		1		1		1	1			
	GROOM	38		4	11	10	2	3	3		1	1	1			2			
COWLITZ	BRIDE	875		177	300	148	107	51	36	11	14	8	9	8	4	2	1		
	GROOM	875		69	286	201	106	65	50	28	15	24	7	8	10	5	1		
DOUGLAS	BRIDE	168		40	57	25	18	10	4	6	2	1	2	2	1				
	GROOM	168		9	66	31	21	15	11	8	1			4	1	1			
FERRY	BRIDE	57		16	12	10	6	6	1	3	1			2					
	GROOM	57		7	14	13	7	5	5	2	1				3				
FRANKLIN	BRIDE	278		45	118	49	30	13	6	5	2	6	1	1	1		1		
	GROOM	278		10	106	68	37	23	10	6	3	5	5	2	1	2			
GARFIELD	BRIDE	28		5	9	6	2	1	1		3			1					
	GROOM	28		1	11	6	4	1	1		2		1	1					
GRANT	BRIDE	456		111	140	67	53	25	18	16	9	4	5	3	2	2	1		
	GROOM	456		48	146	97	58	31	19	17	16	7	5	5	5	1	1		
GRAYS HARBOR	BRIDE	769		152	258	142	84	55	29	20	9	3	7	7	1	1	1		
	GROOM	769	1	50	238	179	114	63	50	23	21	8	8	4	6	2	1		1
ISLAND	BRIDE	551		91	203	108	69	33	19	8	7	2	6	2	2	1			
	GROOM	551		39	200	131	73	47	21	11	8	4	5	9	2		1		
JEFFERSON	BRIDE	201	1	40	45	41	34	17	9	4	1	2	2	1	2	1	1		
	GROOM	201		9	47	48	47	19	15	8	7	3		1	1	1	1	2	
KING	BRIDE	14,268	5	1,469	4,988	3,545	1,941	986	521	285	164	150	90	62	40	14	1	1	6
	GROOM	14,268		432	3,949	4,018	2,384	1,401	719	475	297	214	177	88	57	31	14	5	7
KITSAP	BRIDE	1,853		352	639	366	227	118	59	32	25	8	9	3	6	5	2		2
	GROOM	1,853		117	688	415	261	143	91	53	28	20	9	14	8	4	2		
KITTITAS	BRIDE	239		37	84	52	28	14	10	6	1	3	2	1	1				
	GROOM	239		13	79	48	41	20	12	9	4	6	2	4	1				
KLICKITAT	BRIDE	170		45	51	24	24	11	6	2	2	2		1	2				
	GROOM	170		16	56	47	19	13	9	1		4		4	1				
LEWIS	BRIDE	655	1	168	222	99	53	38	28	10	6	12	8	3	4	2		1	
	GROOM	655		63	228	125	83	50	30	29	12	4	10	10	6	4		1	
LINCOLN	BRIDE	101		13	54	18	4	5	2	1		1	1	1		1			
	GROOM	101		6	45	22	6	11	6			2		2			1		
MASON	BRIDE	307		59	91	54	39	23	8	8	9	5	5	3	1	2			
	GROOM	307		20	80	71	41	28	26	11	10	6	3	6	2		1	2	
OKANOGAN	BRIDE	336	1	73	101	56	41	19	20	12	4	2	2	1	4				
	GROOM	336		32	95	74	54	26	21	10	9	2	5	1	4	2	1		
PACIFIC	BRIDE	233		41	66	32	32	17	19	7	7	6	1	2	3				
	GROOM	233		17	58	46	33	19	20	13	7	7	4	7	1	1			
PEND OREILLE	BRIDE	64		7	28	11	7	2	4	2	2						1		
	GROOM	64		2	21	16	11	5	1	1	2	4		1					
PIERCE	BRIDE	6,191	1	1,039	2,312	1,245	670	380	214	119	80	44	37	22	16	5	3		4
	GROOM	6,191		391	2,277	1,524	755	434	252	203	134	75	74	38	20	6	2	2	4
SAN JUAN	BRIDE	184		11	41	63	32	20	7	4	3		1	2					
	GROOM	184		4	23	47	52	28	11	8	6	2	3				1		
SKAGIT	BRIDE	891		149	314	151	112	70	30	20	9	9	10	7	4	1	4	1	
	GROOM	891		54	288	200	140	80	37	25	20	15	14	7	4	2	4		1
SKAMANIA	BRIDE	170		36	43	23	22	13	7	11	3	5	3	3			1		
	GROOM	170		8	42	47	18	9	13	7	6	10	2	3	3	1		1	
SNOHOMISH	BRIDE	3,334	1	530	1,114	696	410	222	141	82	60	27	20	17	7	3	2		2
	GROOM	3,334		181	999	817	505	309	184	114	80	42	48	28	12	5	6	1	3
SPOKANE	BRIDE	3,256		518	1,273	672	327	171	110	50	41	20	22	27	11	10			4
	GROOM	3,256	1	209	1,121	784	460	241	142	89	67	37	34	30	17	16	4	2	2
STEVENS	BRIDE	239		66	70	45	25	13	8	5	1	2	2	1	1				
	GROOM	239		20	82	47	38	19	10	6	6	4	2	2	2			1	
THURSTON	BRIDE	1,439		247	459	292	188	94	70	28	13	7	15	14	4	5	2		1
	GROOM	1,439		88	450	326	192	133	80	65	35	20	12	15	14	5	3		1
WAHKIAKUM	BRIDE	21		6	5	6	3								1				
	GROOM	21		1	8	7	2	2								1			
WALLA WALLA	BRIDE	599		100	196	120	63	42	24	20	11	7	7	3	3	1	1		1
	GROOM	599		32	193	148	81	49	25	24	12	15	2	10	3	3	1		1
WHATCOM	BRIDE	1,142		157	401	238	157	79	34	20	11	17	13	3	9	3			
	GROOM	1,142		47	364	268	176	110	60	36	18	23	14	9	10	4	1	1	1
WHITMAN	BRIDE	236		27	121	45	22	11	1	4	2	1		1	1				
	GROOM	236		6	90	73	36	12	8		4	1	1	1	1				1
YAKIMA	BRIDE	1,761		368	611	329	167	102	60	39	29	14	10	18	9	3	2		
	GROOM	1,761		136	657	382	205	121	78	57	39	26	20	25	9	3	1	2	1

TABLE 2

DISSOLUTIONS, ANNULMENTS, AND SEPARATE MAINTENANCE BY COUNTY OF DECREE, WASHINGTON STATE 1982

COUNTY OF DECREE	TOTAL	DISSOLUTION	ANNULMENT	NOT STATED
STATE TOTAL	27,980	27,795	148	37
ADAMS	70	70		
ASOTIN	122	121	1	
BENTON	679	679		
CHELAN	450	449	1	
CLALLAM	378	378		
CLARK	1,350	1,344	5	1
COLUMBIA	25	24	1	
COWLITZ	611	608	2	1
DOUGLAS	55	55		
FERRY	23	22	1	
FRANKLIN	286	285	1	
GARFIELD	13	13		
GRANT	312	311	1	
GRAYS HARBOR	461	460	1	
ISLAND	302	300	2	
JEFFERSON	96	95	1	
KING	8,478	8,443	26	9
KITSAP	929	927	1	1
KITTITAS	102	102		
KLICKITAT	92	92		
LEWIS	419	416	3	
LINCOLN	72	71	1	
MASON	166	162	4	
OKANOGAN	185	185		
PACIFIC	148	145	3	
PEND OREILLE	34	34		
PIERCE	3,838	3,808	28	2
SAN JUAN	56	56		
SKAGIT	484	483	1	
SKAMANIA	46	45		1
SNOHOMISH	2,126	2,114	12	
SPOKANE	2,472	2,425	25	22
STEVENS	163	162	1	
THURSTON	963	951	12	
WAHKIAKUM	14	13	1	
WALLA WALLA	244	241	3	
WHATCOM	565	563	2	
WHITMAN	94	94		
YAKIMA	1,057	1,049	8	

TABLE 3

DISSOLUTIONS BY TOTAL LIVING CHILDREN BY PLACE OF RESIDENCE, WASHINGTON STATE 1982

COUNTY OF DECREE	TOTAL	NUMBER OF CHILDREN									
		0	1	2	3	4	5	6	7	EIGHT OR MORE	NOT STATED
STATE TOTAL	27,795	10,363	5,152	4,677	1,587	631	200	79	34	30	5,042
ADAMS	70	29	19	8	5	5			1	1	2
ASOTIN	121	50	25	28	6	7	2	1			2
BENTON	679	277	176	123	50	17	7	1		2	26
CHELAN	449	191	112	90	32	14	3		1		6
CLALLAM	378	141	90	77	29	12	3	2		1	23
CLARK	1,344	561	302	300	98	32	14	2	1	1	33
COLUMBIA	24	12	6	5	1						
COWLITZ	608	252	132	125	50	14	3	1		1	30
DOUGLAS	55	23	10	15	6						1
FERRY	22	8	8	5	1						
FRANKLIN	285	131	54	56	22	7	1	2			12
GARFIELD	13	2	5	2	2	1			1		
GRANT	311	126	69	60	30	8	3	1	1	1	12
GRAYS HARBOR	460	173	105	101	30	20	1	1			29
ISLAND	300	134	62	67	24	4		2			7
JEFFERSON	95	48	15	11	6	4	2			1	8
KING	8,443	2,912	1,010	920	280	117	33	13	3	7	3,148
KITSAP	927	381	211	210	54	24	6	4	4		33
KITTITAS	102	44	18	25	10	3					2
KLICKITAT	92	40	15	21	8	4	2				2
LEWIS	416	143	91	94	49	17	4	2	1		15
LINCOLN	71	31	12	14	7	6					1
MASON	162	71	36	30	12	2		3			8
OKANOGAN	185	62	47	39	12	8	4	2	1		10
PACIFIC	145	47	39	36	13	4	2			1	3
PEND OREILLE	34	14	6	8	5	1					
PIERCE	3,808	1,599	909	777	249	95	35	11	6	4	12
SAN JUAN	56	19	15	16	2	1					3
SKAGIT	483	194	113	100	33	13	8	1	1	2	18
SKAMANIA	45	16	8	15	3	1		1			1
SNOHOMISH	2,114	426	183	152	53	17	4	3	1		1,275
SPOKANE	2,425	999	538	491	188	70	29	8	4	5	93
STEVENS	162	65	33	28	15	13	3	1		1	3
THURSTON	951	381	223	204	72	20	7	7	1		36
WAHKIAKUM	13	3	4	1	2	2	1				
WALLA WALLA	241	99	59	50	16	9	2	2			4
WHATCOM	563	221	130	110	36	23	5	2	1		35
WHITMAN	94	33	20	30	7		1	1			2
YAKIMA	1,049	405	246	233	69	36	15	5	6	2	32

TABLE 4

DISSOLUTIONS BY COUNTY OF DIVORCE BY HUSBAND AND WIFE AGE GROUP, WASHINGTON STATE 1982

COUNTY	WIFE-HUSBAND	TOTAL	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	OTHER & UNK
STATE TOTAL	WIFE	27,795	8	486	4,307	5,388	4,517	3,172	1,869	1,044	595	394	214	97	50	15	7	2	5,630
	HUSBAND	27,795	1	82	2,599	5,089	4,724	3,709	2,453	1,530	890	557	342	179	88	39	17	6	5,496
ADAMS	WIFE	70		2	10	8	15	10	6	5	6	1							7
	HUSBAND	70			9	11	6	13	5	4	9	7	1	1					4
ASOTIN	WIFE	121		1	31	36	17	10	10	5	4	2	3	1	1				
	HUSBAND	121			16	32	18	16	12	6	10	2	3	4					2
BENTON	WIFE	679		16	133	153	124	97	53	40	20	5	2	1	1	1			33
	HUSBAND	679		2	81	146	138	95	71	53	29	18	6	4	2		1		31
CHELAN	WIFE	449		18	90	98	73	65	36	21	15	11	5	2		2			13
	HUSBAND	449		2	60	93	86	74	57	24	20	9	9	3	1	1	1		9
CLALLAM	WIFE	378		8	68	81	65	56	33	16	10	14	4	4	1				18
	HUSBAND	378		4	41	67	77	56	45	24	16	16	7	5	4	2			14
CLARK	WIFE	1,344	1	27	221	288	275	193	135	68	36	16	14	6	2				62
	HUSBAND	1,344		2	117	252	288	241	167	105	48	33	18	14	4		2	1	52
COLUMBIA	WIFE	24			3	6	5	3	3		3								1
	HUSBAND	24			3	3	6	3	4	3		1							1
COWLITZ	WIFE	608		15	107	143	131	89	50	21	8	11	11	3	3	2			14
	HUSBAND	608		1	72	123	136	99	64	36	25	10	9	11	3	2	1		16
DOUGLAS	WIFE	55			9	9	8	7	11	1	1	1	1		2				5
	HUSBAND	55			4	12	7	7	9	3	3	1	1		1	1	1		5
FERRY	WIFE	22					1	2											19
	HUSBAND	22					1	2											19
FRANKLIN	WIFE	285		6	62	81	39	34	19	11	8	11	1	1					12
	HUSBAND	285			38	76	54	30	26	20	14	5	3	3					16
GARFIELD	WIFE	13		1	2		2	6				2							
	HUSBAND	13			1	2	2	3	2	1	1			1					
GRANT	WIFE	311	1	13	75	62	53	31	23	11	15	7	3	2					15
	HUSBAND	311		2	36	72	59	46	22	18	14	10	9	5	1	2			15
GRAYS HARBOR	WIFE	460		9	72	89	79	60	39	17	10	7	5	3	4		1		65
	HUSBAND	460			48	85	79	74	53	18	16	13	10	3	1	3		1	56
ISLAND	WIFE	300		10	80	63	57	38	19	8	5	1	2	2	1		1		13
	HUSBAND	300		1	56	65	58	47	26	13	5	3	3	3	2	1			17
JEFFERSON	WIFE	95		4	8	17	24	11	13	3	7	2			1				5
	HUSBAND	95			7	15	14	20	13	9	2	3	2	3	2				5
KING	WIFE	8,443	2	67	901	1,341	1,164	770	422	247	138	100	41	18	6	2	1		3,223
	HUSBAND	8,443		20	485	1,198	1,198	934	582	348	229	133	83	32	10	8	3	1	3,179
KITSAP	WIFE	927		25	186	224	173	132	79	27	23	9	6	6	2				35
	HUSBAND	927		3	120	222	181	143	107	54	24	22	6	4	4	2	1		34
KITTITAS	WIFE	102		1	18	26	15	20	11	3		1		1					6
	HUSBAND	102			8	24	21	24	12	8	1	1		1		1			1
KLICKITAT	WIFE	92		2	15	23	18	15	8	4	3		2	1					1
	HUSBAND	92			9	20	20	14	13	7	1	2	1	3	1				1
LEWIS	WIFE	416		9	69	78	66	49	39	21	11	6	5	4		1			58
	HUSBAND	416		3	42	74	73	65	37	34	15	10	5	4	6			1	47
LINCOLN	WIFE	71		1	5	11	13	14	9	7	4	3							4
	HUSBAND	71		1	4	12	7	15	11	7	4	5	2						3
MASON	WIFE	162		2	26	30	37	26	14	7	5	6	4	1					3
	HUSBAND	162			17	29	32	27	22	13	6	7	2	3	2			1	2
OKANOGAN	WIFE	185		5	29	34	32	23	14	11	7	3	4						23
	HUSBAND	185		1	22	28	34	23	19	12	6	8	4	1					27
PACIFIC	WIFE	145		6	28	29	25	19	12	4	2	4	2				1		13
	HUSBAND	145			11	39	30	19	18	7	2	3	4		2				10
PEND OREILLE	WIFE	34		2	6	6	8	4	2	3									3
	HUSBAND	34			6	6	2	9		5	1	1	1						3
PIERCE	WIFE	3,808	2	81	781	914	714	486	244	173	90	48	27	10	6	3	1		228
	HUSBAND	3,808	1	14	488	917	742	560	355	237	127	75	47	16	11	1	1		216
SAN JUAN	WIFE	56			7	10	16	8	9	2	2	1		1					
	HUSBAND	56			3	8	17	13	6	3	2	1	2						1
SKAGIT	WIFE	483		12	93	90	91	74	37	27	10	8	4	4	1		1		31
	HUSBAND	483		2	57	95	75	73	65	42	19	15	8	4	2	3			23
SKAMANIA	WIFE	45		2	12	7	9	4	4	3	1				1				2
	HUSBAND	45			7	12	5	8	5	3	1	1				2			1
SNOHOMISH	WIFE	2,114	2	13	180	209	153	119	81	32	20	7	6	3	2	1	1		1,285
	HUSBAND	2,114		1	108	206	177	142	90	54	30	18	6	4	4	3	1		1,270
SPOKANE	WIFE	2,425		62	458	560	465	303	194	105	59	47	29	11	5	2		1	124
	HUSBAND	2,425		8	312	531	495	355	238	161	85	52	36	25	11	4	2	1	109
STEVENS	WIFE	162		3	25	34	26	23	10	11	3	2	3	1	1				20
	HUSBAND	162			14	30	36	16	20	8	8	4	3	1					22
THURSTON	WIFE	951		16	152	205	176	140	90	42	27	19	10	3	1	1			69
	HUSBAND	951		5	73	193	185	160	102	61	46	28	16	2	5	2			73
WAHKIAKUM	WIFE	13			2	5	1	1	2	1			1						
	HUSBAND	13			1	2	2	3	2	1		1							1
WALLA WALLA	WIFE	241		4	55	54	41	23	16	10	7	6	4	2	1				18
	HUSBAND	241			32	58	47	30	20	18	10	8	8	2					8
WHATCOM	WIFE	563		16	72	110	110	66	38	18	8	7	1	1	1				115
	HUSBAND	563		2	47	92	126	86	43	27	16	9	6	2	1				106
WHITMAN	WIFE	94		5	20	17	17	17	4	6		2	3	1	1				1
	HUSBAND	94			13	20	18	10	10	8	5	2	2	2	1				3
YAKIMA	WIFE	1,049		22	196	237	179	124	80	53	27	24	11	4	6				86
	HUSBAND	1,049		8	131	219	172	154	100	75	40	20	17	14	7	1	3		88

APPENDIX

APPENDIX A

BACKGROUND

RELIABILITY OF THE DATA

In analyzing any data, the possibility of errors in the data must not be overlooked. There are several types of possible errors, including under-registration, errors made by the informant, and errors in compilation and processing. The most potentially dangerous error, however, is probably that of improper interpretation.

Statistics are neither more true nor false than the interpretation given to them. It should be emphasized that most of the rates computed in this report are crude rates. For comparing geographic areas, crude rates are limited. They do not reflect differences in age, sex, race, and other population characteristics. In addition, it is important to recognize the possible distortion in these rates where the number of events or the population is small. Minor variations in the number of events may result in major changes in the rates. Special caution should also be exercised in analyzing trend data, because of changes throughout the years in medical diagnosis, coding definitions, and registration coverage.

POPULATION

Population data in this report are an estimate of population provided by the Office of Financial Management, April 1, 1982.

RATES

Rates are calculated by dividing the event of concern by the population at risk or a related population and multiplying by a constant. Death rates from all causes and livebirths are expressed in terms of 1,000 estimated population; deaths from a specific cause are based on 100,000 estimated population (excluding maternal and infant causes); maternal deaths are calculated per 10,000 livebirths; infant, neonatal and fetal deaths are calculated per 1,000 livebirths.

CAUSE OF DEATH CLASSIFICATION

The cause of death presented herein are classified in accordance with the Ninth Revision of the International Classification of Diseases, which the State of Washington began using January 1, 1979.

RATES AND WHOLE NUMBERS

Rates are rounded to the nearest tenth. When the rate or percent is less than one-tenth, the entry is 0.

When whole numbers are used, a blank indicates none or zero.

APPENDIX B

DEFINITIONS

GENERAL TERMS

BIRTH WEIGHT - Weight of fetus or infant at time of delivery (normally recorded in pounds and ounces).

FETAL DEATH - Death prior to the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy; the death is indicated by the fact that after such expulsion or extraction the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

GESTATIONAL PERIOD - Number of weeks elapsed between the first day of the last menstrual period and date of delivery.

INFANT DEATH - Death of an infant under one year of age.

LIVE BIRTH - The complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after such expulsion or extraction, breathes, or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.

LIVE BIRTH ORDER - Order number is equal to number of previous live births plus current birth.

MATERNAL DEATH - Death attributable to complications of pregnancy, childbirth, or the puerperium.

NEONATAL DEATH - Death of an infant within the first 27 days of life.

OCCURRENCE DATA - Data allocated by place where event occurred, regardless of the person's place of residence.

PERINATAL DEATH - Includes stillbirths and deaths to infants within the first six days of life.

PREMATURE BIRTH - A live birth weighing 2,500 grams (5-1/2 pounds) or less. If birth weight is not stated, length of gestation (under 37 weeks) is used.

RESIDENCE DATA - Data allocated by place of residence of the decedent (deaths), or by place of residence of the child's mother (births, stillbirths).

RATES

AGE-SPECIFIC DEATH RATE - Number of deaths in a specific age group per 100,000 population in that age group.

CAUSE-SPECIFIC DEATH RATE - Number of deaths from a specific cause per 100,000 population.

(CRUDE) BIRTH RATE - Number of live births per 1,000 population.

(CRUDE) DEATH RATE - Number of deaths per 1,000 population.

FERTILITY RATE - Number of live births per 1,000 women 15-44 years of age.

FETAL DEATH RATE - Number of stillbirths per 1,000 live births.

INFANT DEATH RATE - Number of infant deaths per 1,000 live births.

MATERNAL DEATH RATE - Number of maternal deaths per 10,000 live births.

NEONATAL DEATH RATE - Number of neonatal deaths per 1,000 live births.

PERINATAL DEATH RATE - Number of perinatal deaths per 1,000 live births, plus fetal deaths.

APPENDIX C

CONVERSION OF BIRTHWEIGHT GROUPS IN GRAMS
TO POUNDS AND OUNCES

GRAMWEIGHT	POUNDS AND OUNCES
1,000 grams and under	2 lbs. 3 oz. and less
1,001 - 1,500	2 lbs. 4 oz. - 3 lbs. 4 oz.
1,501 - 2,000	3 lbs. 5 oz. - 4 lbs. 6 oz.
2,001 - 2,500	4 lbs. 7 oz. - 5 lbs. 8 oz.
2,501 - 3,000	5 lbs. 9 oz. - 6 lbs. 9 oz.
3,001 - 3,500	6 lbs. 10 oz. - 7 lbs. 11 oz.
3,501 - 4,000	7 lbs. 12 oz. - 8 lbs. 13 oz.
4,001 - 4,500	8 lbs. 14 oz. - 9 lbs. 14 oz.
4,501 grams and over	9 lbs. 15 oz. and over

One pound = 453.59 grams

APPENDIX D

POPULATION OF THE STATE OF WASHINGTON
BY AGE GROUP, BY SEX, APRIL 1, 1982

AGE GROUP	TOTAL	MALE	FEMALE
TOTAL	4,264,000	2,119,195	2,144,805
Under 1 Yr.	69,756	35,785	33,971
1 - 4	260,391	133,115	127,276
5 - 14	617,120	316,439	300,681
15 - 24	743,611	382,312	361,299
25 - 34	788,975	399,445	389,530
35 - 44	543,443	275,484	267,959
45 - 54	394,453	197,670	196,783
55 - 64	388,325	186,301	202,024
65 - 74	278,787	127,343	151,444
75 - 84	135,814	52,615	83,199
85 and over	43,325	12,686	30,639

POPULATION, STATE OF WASHINGTON, COUNTIES AND CITIES OF 10,000 POPULATION AND OVER, APRIL 1, 1982

	CITY TOTAL	COUNTY TOTAL
Adams		13,100
Asotin		17,000
Benton		111,700
Kennewick	35,350	
Richland	33,550	
Chelan		45,500
Wenatchee	17,125	
Clallam		52,100
Port Angeles	17,300	
Clark		198,600
Vancouver	42,950	
Columbia		4,000
Cowlitz		79,500
Kelso	11,075	
Longview	30,950	
Douglas		22,400
Ferry		6,100
Franklin		36,200
Pasco	19,050	
Garfield		2,400
Grant		48,600
Moses Lake	10,310	
Grays Harbor		66,100
Aberdeen	31,890	
Island		46,000
Oak Harbor	12,250	
Jefferson		16,900
King		1,311,400
Auburn	28,950	
Bellevue	74,300	
Kent	23,775	
Kirkland	19,275	
Mercer Island	21,125	
Redmond	25,300	
Renton	33,100	
Seattle	492,000	
Kitsap		158,500
Bremerton	35,475	
Kittitas		25,100
Ellensburg	11,775	
Klickitat		16,200
Lewis		56,400
Centralia	11,800	
Lincoln		9,600
Mason		32,700
Okanogan		31,000
Pacific		17,700
Pend Oreille		8,800
Pierce		504,500
Puyallup	18,575	
Tacoma	160,100	
San Juan		8,500
Skagit		65,600
Mount Vernon	13,625	
Skamania		8,000
Snohomish		356,400
Edmonds	27,400	
Everett	56,700	
Lynnwood	23,375	
Mountlake Terrace	15,950	
Spokane		348,100
Spokane (City)	171,700	
Stevens		29,400
Thurston		131,300
Lacey	14,175	
Olympia	27,700	
Wahkiakum		3,800
Walla Walla		48,300
Walla Walla (City)	25,600	
Whatcom		111,100
Bellingham	45,950	
Whitman		40,200
Pullman	23,250	
Yakima		175,200
Yakima (City)	49,900	
STATE TOTAL		4,264,000